

SOUTH CAROLINA ELECTRIC AND GAS COMPANY
 VIRGIL C. SUMMER NUCLEAR STATION
 NUCLEAR OPERATIONS

NUCLEAR OPERATIONS
 MASTER CONTROL COPY COPY No. 50

GENERAL TEST PROC
 GTP-303

INSERVICE INSPECTION NON-DESTRUCTIVE EXAMINATION
 REVISION 0
 JUNE 25, 1984

NON-CONTROLLED
 COPY

SAFETY RELATED

P. B. Bell 7-20-84
 DISCIPLINE SUPERVISOR Date

A. J. Demick 7-26-84
 APPROVAL AUTHORITY Date

JUL 20 1984

DATE ISSUED

RECORD OF CHANGES

CHANGE NO.	TYPE CHANGE	DATE APPROVED	DATE CANCELLED	CHANGE NO.	TYPE CHANGE	DATE APPROVED	DATE CANCELLED
A	P	7-30-84					

PROCEDURE DEVELOPMENT FORM - A

I. DATE: 7/29/84 PROC. # GTP 303 REV. # 14A CHG. A
 TITLE: GTP-303 "Inservice Inspection Non-Destructive Examination"
 NEW PROC _____ SAFETY RELATED
 REVISION _____ QUALITY RELATED _____
 CHANGE PERMANENT RESTRICTED _____ FROM _____ TO _____ NON SAFETY RELATED _____
 TWO YEAR REVIEW _____

II. DESCRIPTION: (See Section 6.1.2.4)
Added Paragraphs 4.4.6(2), 4.4.6(3) and 4.4.6 (Note) Also moved 4.5 to page 11 of 30. Changed Title of Major Item and Category to N/A
 REASON FOR CHANGE: Paragraphs were deleted typographically. To be added back with this change

III. WILL THIS REVISION/CHANGE/NEW PROCEDURE?
 1. Represent a change to procedures as described in the FSAR? (50.59 review) _____ Yes No
 2. Represent a change to the facility as described in the FSAR? (50.59 review) _____ Yes No
 3. Represent a test or experiment not described in the FSAR? (50.59 review) _____ Yes No
 4. Require a change to Technical Specifications? (50.59 review) _____ Yes No
 5. Result in significant increased personnel radiation exposure? (ALARA review) _____ Yes No
 6. Result in a release of effluents to the Environment? _____ Yes No
 SUMMARY JUSTIFICATION: (List applicable FSAR & T.S. References.) (Attach additional pages as required.)
 *If any question 1 through 6 is answered "yes", refer to Section 2.3 of procedure.
FSAR Section 9.5. Tech Spec 3/4, 7.10
William B. Miller (Or Initiator) Lawrence B. Miller (Evaluated by Discipline Supervisor) 7-23-84 (Date)

IV. TEMPORARY APPROVAL QUALIFIED REVIEWER _____ Date _____ FINAL APPROVAL REQUIRED BY _____ Date _____
 SS APPROVAL _____ Date _____ MGR/MDS _____ Date _____ Telecon By _____

V. REQUIRED REVIEW AND COMMENT

SAP	OTHER
() Ops	(<input checked="" type="checkbox"/> JCR (JT))
() Mnt	(<input checked="" type="checkbox"/> OPS)
() TS	(<input checked="" type="checkbox"/> Tech Support)
() SS	(<input checked="" type="checkbox"/> Maintenance Eng)
() QA	(<input checked="" type="checkbox"/> QA)
() QC	()
() RC	()
() SM	()

 COMMENTS RESOLVED: MD Quintor 7-30-84
 Discipline Supervisor Date

VI. FINAL QA REVIEW (As Applicable)
James M. [Signature] 7-30-84
 Concurrence Date
[Signature] 7/30/84
 FINAL APPROVAL:
 Responsible Individual
MD Quintor 7-30-84
 Approval/Concurrence Date

VII. PSRC REVIEW
 A. Reviewed by: _____ Date _____
 PSRC CHAIRMAN
 Comments: Yes _____ No _____
 B. PSRC Comments Resolved: _____ Date _____
 MANAGER
 _____ Date _____
 PSRC CHAIRMAN

JUL 31 1984

LIST OF EFFECTIVE PAGES

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ATTACHMENTS

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1.0 PURPOSE

- 1.1 This procedure provides the rules necessary to plan, schedule, develop and control the non-destructive examinations required to be performed by ASME Section XI Code on Class 1 and 2 pressure retaining components and their welded supports for the first interval of the Inservice Inspection Program at the V. C. Summer Nuclear Station.

NOTE: The Inservice Inspection NDE requirements for Code Class 3 components are implemented and controlled in accordance with GTP-304 and GTP-305.

2.0 REFERENCES AND GLOSSARY

2.1 References

- 2.1.1 ASME Code Section III, 1971 Edition through Summer 1973 addenda for piping systems and original construction code for other components.
- 2.1.2 ASME Code Section V, 1977 Edition through Summer 1978 addenda.
- 2.1.3 ASME Code Section XI, 1977 Edition through Summer 1978 addenda.
- 2.1.4 SAP-139 - Procedure Development, Review, Approval and Control
- 2.1.5 A-NQCP-2 - Non-Conformance Control
- 2.1.6 SAP-302 - Administration of Maintenance Welding
- 2.1.7 SAP-145 - Inservice Inspection
- 2.1.8 SAP-304 - ASME Code Section XI Repair Program
- 2.1.9 GTP-304 - Inservice Inspection System Pressure Testing
- 2.1.10 GTP-305 - Inservice Inspection For Component Supports

- 2.1.11 STP-404.901 - Eddy Current Examination of S/G Tubing
- 2.1.12 ASNT-TC-1A - Personnel Qualification and Certification in Non-Destructive Testing, 1975 Edition
- 2.1.13 NRC Regulatory Guide 1.14
- 2.1.14 NRC Regulatory Guide 1.150
- 2.1.15 ASME Code Section XI, 1974 Edition through Summer 1975 Addenda
- 2.1.16 10CFR50.55a
- 2.2 Glossary
 - 2.2.1 Authorized Nuclear Inservice Inspector (ANII)

An inspector employed by an insurance company authorized to write boiler and pressure vessel insurance and having qualified in accordance with the requirements of ANSI/ASME N626.1 1975.
 - 2.2.2 Code - ASME Code Section XI 1977 Edition through Summer 1978 addenda except as modified by 10CFR50.55a(B)(2)(IV).
 - 2.2.3 Code Class - A classification of items and components based upon Section III code subsection used to fabricate and/or install such items.
 - A. Class 1 - Subsection NB
 - B. Class 2 - Subsection NC
 - C. Class 3 - Subsection ND
 - D. Component Supports - Subsection NF
 - 2.2.4 Code Category Designation - A designation used by the code to delineate the major type(s) of parts to be examined within a code component or a selected group of code components, as applicable.
 - 2.2.5 Code Item Number - a number used by the code to specify: The type of part to be examined, the examination, requirements, the examination method, the acceptance standard, the extent of frequency of examination, and if permitted, the deferral of inspections.

- 2.2.6 Commercial Service - The date of placement of the power unit into commercial service as defined by the regulation of the Federal Power Commission Chapter 1 Title 18 "Code of Federal Regulations".
- 2.2.7 Examination - The performance of all visual observation and non-destructive testing such as radiography, ultrasonic, liquid penetrant, magnetic particle and eddy current methods.
- 2.2.8 Flaw - An indication denoted by evidence or signal obtained by application of non-destructive examination methods(s) such as cracks, slag inclusions, aligned or clustered porosity, incomplete penetration, incomplete fusion and laminations or combinations thereof.
- 2.2.9 Inservice Inspection (ISI) - Those scheduled inspection activities performed during the plant lifetime as outlined in ASME Code and implemented by the use of specific procedures.
- 2.2.10 Inservice Inspection Coordinator (ISI Coordinator) - That person designated by the Director of Nuclear Plant Operations, who is responsible for development and implementation of the ISI program.
- 2.2.11 Inservice Inspection Program - Those planned and systematic actions performed to: Categorize the area subject to inspection and responsibilities, provide for accessibility, apply examination methods and procedures, qualify personnel, establish frequency of inspection, establish and maintain record keeping and reporting requirements, evaluation of inspection results and, if necessary, subsequent disposition and corrective action of such results, and document a repair program.
- 2.2.12 Inspection Interval - That amount of time approximately equal to 1/4 of expected plant life. (10 years) See Attachment 7.1.
- 2.2.13 Inspection Period - That amount of time in calendar years and/or months approximately equal to 1/3 of an inspection interval. (3 to 4 years) See Attachment 7.1.
- 2.2.14 Regulatory Authority - A Federal Government agency such as the USNRC.

- 2.2.15 Replacement - A spare component(s), parts of such component(s), or subsystem(s) but not the addition of new systems.
- 2.2.16 Repair - Welding rework activities required to return an item to a condition acceptable to the applicable code and/or standard.
- 2.2.17 Associate Manager, Regulatory Compliance - That individual designated by the Director of Nuclear Plant Operations, to act as liason for South Carolina Electric and Gas Company Nuclear Operations (SCE&G/NO) and the United States Nuclear Regulatory Commission.

3.0 RESPONSIBILITIES

- 3.1 SAP-145 describes and delineates the responsibilities of those departments associated with the implementation of this procedure.

4.0 INSERVICE INSPECTION NDE ACTIVITIES

- 4.1 Examination Procedure and Personnel Requirements
 - 4.1.1 Examinations shall be performed in accordance with written NDE procedures except as may be otherwise limited as specified by Q.C and/or examination procedure. Such procedures shall be in accordance with the code.
 - 4.1.2 Personnel performing examinations shall be qualified as follows:
 - A. Personnel performing the required NDE shall be qualified in accordance with written Q.C. Qualification procedures.
 - 4.1.3 Contractors/or subcontractors performing required NDE and visual examinations shall either prepare written procedures or utilize Q.C. procedures and qualify their personnel in accordance with requirements specified in 4.1.1 and 4.1.2, respectively.
 - 4.1.4 Contractors and/or subcontractors shall obtain a "Release to Work" from SCE&G Q.A. prior to performing any work at V. C. Summer Nuclear Station.

4.1.5 Since the code does not address all the possible combinations of the "State of the Art" limitations which may be encountered during the Inservice Inspection Examinations, Q.C. and/or procedure may specify several such limitations.

4.2 Non-Destructive Examination Scheduling

4.2.1 The required examinations to be performed on Class 1 items shall be scheduled in accordance with Section 4.4 and Attachment 7.2 of this procedure.

4.2.2 The required examinations to be performed on Class 2 items shall be scheduled in accordance with Section 4.5 and Attachment 7.3 of this procedure.

4.2.3 The required examinations to be performed on the 3 Reactor Coolant pump flywheels shall be scheduled in accordance with Section 4.4 and Attachment 7.2 of this procedure.

4.2.4 Attachments 7.2 and 7.3 have been developed in accordance with the following codes.

A. Attachment 7.2 - ASME Section XI Code 1977 Edition through and including the Summer 1978 Addenda except as specified in 4.2.3.

B. Attachment 7.3 - ASME Section XI Code 1977 Edition through and including the Summer 1978 Addenda except as specified in 4.5.17.

4.3 Preservice Examination (Class 1 and Class 2)

4.3.1 The required Preservice Examinations were performed to establish baseline data for comparison with the results of future Inservice Examinations.

4.3.2 The PSI Examination Data includes identification, examination, and records of those items required to be examined during the Inservice Inspection program except as specified herein.

4.3.3 PSI Examination Data is stored and maintained in accordance with Nuclear Records Management Program Procedures. (NRMPP).

4.3.4 Components to be examined during Inservice Inspection shall be identified by comparing the PSI items with the code requirements and applicable Regulatory Guides. New or modified items shall be incorporated in the ISI Program pursuant to Code Requirements.

4.3.5 Isometric sketches and the tabulation of items, developed as part of the PSI records, contain that information and data necessary to identify those items requiring NDE during Inservice Inspection except as specified in 4.3.6.

4.3.6 PSI Steam Generator tube eddy current examinations are identified and examined with the results recorded under separate cover and maintained in accordance with Nuclear Records Management Program Procedures (NRMPP).

4.4 Class 1 ISI Components Categorization and Itemization

Note: Unless otherwise specified, all parts outlined in this section shall be examined to the extent practical through structural design and "State of the Art" limitations during the first interval. Class 1 NDE requirements are tabulated in Attachment 7.2.

4.4.1 Class 1 Reactor Pressure Vessel

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
B-A	B1.010	Shell Welds
B-A	B1.020	Head Welds
B-A	B1.030	Shell-To-Flange Weld
B-A	B1.040	Head-To-Flange Weld
B-A	B1.050	N/A
B-D	B3.090	Nozzle-To-Vessel Welds
B-D	B3.100	Nozzle Inside Radius
B-E	B4.010	GTP-304
B-E	B4.020	GTP-304
B-F	B5.010	Nozzle-To-Safe End Welds
B-G-1	B6.010	Closure Head Nuts
B-G-1	B6.020	Closure Studs, In Place
B-G-1	B6.030	Closure Studs, When Removed
B-G-1	B6.040	Stud Hole Ligaments
B-G-1	B6.050	Closure Washers
B-G-2	B7.010	Bolts, Studs and Nuts
B-H	B8.010	N/A
B-N-1	B13.010	Vessel Interior
B-N-2	B13.030	N/A
B-N-3	B13.030	Core Support Accessible Welds

B-O	B14.010	CRD Housing Welds
B-P	B15.010	GTP-304
B-P	B15.011	GTP-304

Note: To the extent practical and "State of the Art" methods available at the time, examinations referenced by Category (B-A) shall comply with Regulatory Guide 1.150.

4.4.2 Class 1 Pressurizer Vessel

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
B-B	B2.010	Shell-To-Head Welds
B-B	B2.020	N/A
B-D	B3.110	Nozzle-To-Vessel Welds
B-D	B3.120	Nozzle Inside Radius
B-E	B4.020	GTP-304
B-F	B5.020	Nozzle-To-Safe Ends
B-G-1	B6.060	N/A
B-G-1	B6.070	N/A
B-G-1	B6.080	N/A
B-G-2	B7.020	Bolts
B-H	B8.020	Integrally Welded Supports
B-P	B15.020	GTP-304
B-P	B15.020	GTP-304

4.4.3 Class 1 Steam Generators (3)

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
B-B	B2.030	N/A
B-B	B2.040	Tube Sheet-To-Head Welds
B-D	B3.130	N/A
B-D	B3.140	N/A
B-F	B5.030	Nozzle-To-Safe End Welds
B-G-1	B6.090	N/A
B-G-1	B6.100	N/A
B-G-1	B6.110	N/A
B-G-2	B7.030	Bolts
B-H	B8.030	N/A
B-P	B15.030	GTP-304
B-P	B15.031	N/A
B-Q	B16.020	S/G Tubing (STP-404.901)

4.4.4 Class 1 Reactor Coolant Pumps (3)

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
B-G-1	B6.180	Bolts, In Place
B-G-1	B6.190	Bolts, When Removed
B-G-1	B6.200	Threaded Holes & Ligaments
B-G-2	B7.060	Bolts
B-K-1	B10.020	N/A
B-K-2	B11.020	Pump Supports (GTP-305)
B-L-1	B12.010	N/A
B-L-2	B12.020	N/A
B-P	B15.060	GTP-304
B-P	B15.061	GTP-304

4.4.5 Class 1 Valves

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
B-G-1	B6.210	N/A
B-G-1	B6.220	N/A
B-G-1	B6.230	N/A
B-G-2	B7.070	Studs and Nuts
B-K-1	B10.030	N/A
B-K-2	B11.030	GTP-305
B-M-1	B12.030	N/A
B-M-2	B12.040	>4" Diameter NPS
B-P	B15.070	GTP-304
B-P	B15.071	GTP-304

4.4.6 Class 1 Piping

A.	<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
	B-F	B5.050	Safe End Dissimilar Metal Welds
	B-G-1	B6.150	N/A
	B-G-1	B6.160	N/A
	B-G-1	B6.170	N/A
	B-G-2	B7.050	Studs and Nuts
	B-J	B9.010	>4" Circumferential Welds
	B-J	B9.020	<4" Circumferential Welds
	B-J	B9.030	Branch Connection Welds
	B-J	B9.040	Socket Welds
	B-K-1	B10.010	Integral Welded Supports
	B-K-2	B11.010	GTP-305
	B-P	B15.050	GTP-305
	B-P	B15.051	GTP-305

- B. The piping welds described in 4.4.6 (A) include:
- (1) All terminal end welds in each pipe or branch run welds connected to other components where the stress levels exceed the following limits under loads associated with specific seismic events and operational conditions:
 - (a) Primary plus secondary stress intensity of 2.4 S_m for ferritic steel and austenetic steel, and,
 - (b) Cumulative usage factor U of .4.
 - (2) All terminal ends in each pipe or branch run connected to vessel.
 - (3) All dissimilar metal welds between combinations of:
 - (a) Carbon or low alloy steels to high alloy steel's.
 - (b) Carbon or low alloy steels to high nickel steels
 - (c) High alloy steels to high nickel steels
 - (4) Additional piping welds so that the total equals 25% of the circumferential joints in the Reactor Coolant Piping System. These additional welds may be located in one loop (one loop is currently defined for PWR plants in the 1977 edition).

NOTE: The initially selected welds shall be reexamined during each Inspection Interval.

4.4.7 Class 1 ISI Effective Code

- A. ASME Section XI Code through and including the Summer 1978 Addenda.

4.4.8 Class 1 ISI NDE Exemptions (Volumetric and Surface)

- A. Component connections, piping, and associated valves of 1" nominal pipe size and smaller, except for steam generator tubing.
- B. Reactor vessel head connections and associated piping 2" nominal pipe size and smaller, made inaccessible by control rod drive penetrations.

Note: Examinations specified in Attachment 7.2 may be redistributed to maintain the required percentage provided all other requirements of the code and/or this procedure are met.

4.5 Class 2 ISI Components Categorization and Itemization

Note: Unless otherwise specified, all parts outlined in this section shall be examined to the extent practical through structural design and "State of the Art" limitations during the first interval. Class 2 NDE requirements are tabulated in Attachment 7.3.

4.5.1 Class 2 Steam Generators (3)

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell Circumferential Welds
C-A	C1.020	Head-To-Shell Circumferential Welds
C-A	C1.030	Tube Sheet-To-Shell Weld
C-B	C2.010	N/A
C-B	C2.020	>.5" Vessel Nozzle Welds
C-C	C3.010	N/A
C-E	C3.020	GTP-305
C-E	C3.030	GTP-305
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.2 Class 2 RHR Heat Exchangers (2)

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell-To-Flange Weld
C-A	C1.020	Head-To-Shell Weld
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	>5" Thickness Nozzle Welds
C-C	C3.010	N/A
C-E	C3.020	N/A
C-E	C3.030	N/A
C-D	C4.010	N/A

4.5.3 Class 2 Regenerative Heat Exchanger

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell Circumferential welds
C-A	C1.020	Head To Shell Circumferential Welds
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	>.5" Thick. Vessel Nozzle Welds
C-C	C3.010	N/A
C-E	C3.020	GTP-305
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.4 Class 2 Letdown Heat Exchanger

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell-To-Flange Circumferential Weld
C-A	C1.020	Head-To-Shell Circumferential Weld
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	N/A
C-C	C3.010	N/A
C-E	C3.020	GTP-305
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.5 Class 2 Letdown Reheat Heat Exchanger

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell-To-Flange Weld
C-A	C1.020	Head-To-Shell Weld
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	N/A
C-C	C3.010	N/A
C-E	C3.020	GTP-305
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.6 Class 2 Excess Letdown Heat Exchanger

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell-To-Flange Weld
C-A	C1.020	N/A
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	N/A
C-C	C3.010	Integral Welded Support
C-E	C3.020	GTP-305
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.7 Class 2 Seal Water Heat Exchanger

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell-To-Flange Weld
C-A	C1.020	Head-To-Shell Weld
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	N/A
C-C	C3.010	N/A
C-E	C3.020	GTP-305
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.8 Class 2 Volume Control Tank

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	N/A
C-A	C1.020	Head-To-Shell Welds
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	N/A
C-C	C3.010	Integrally Welded Support
C-E	C3.020	GTP-305
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.020	GTP-304

4.5.9 Class 2 Boron Injection Tank

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	N/A
C-A	C1.020	Head-To-Shell Welds
C-A	C1.030	N/A
C-B	C2.010	
C-B	C2.020	>.5" Thickness Vessel Nozzle Welds
C-C	C3.010	Integrally Welded Supports
C-E	C3.020	N/A
C-E	C3.030	N/A
C-D	C4.010	Bolts
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.10 Class 2 Accumulator Tanks (3)

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	N/A
C-A	C1.020	Head-To-Shell Welds
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	>.5" Thick Vessel Nozzle Welds
C-C	C3.010	Integrally Welded Support
C-E	C3.020	N/A
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.11 Class 2 Reactor Coolant Filter

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell-To-Flange Weld
C-A	C1.020	Head-To-Shell Weld
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	N/A
C-C	C3.010	Integrally Welded Supports
C-E	C3.020	N/A
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.12 Class 2 Seal Water Return Filter

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-A	C1.010	Shell-To-Flange Weld
C-A	C1.020	Head-To-Flange Weld
C-A	C1.030	N/A
C-B	C2.010	N/A
C-B	C2.020	N/A
C-C	C3.010	Integrally Welded Supports
C-E	C3.020	N/A
C-E	C3.030	N/A
C-D	C4.010	N/A
C-H	C7.010	GTP-304
C-H	C7.011	GTP-304

4.5.13 Class 2 RHR Pumps (2)

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-C	C3.070	Integrally Welded Supports
C-E	C3.080	Pump Supports
C-E	C3.090	N/A
C-D	C4.030	N/A
C-G	C6.010	N/A
C-H	C7.030	GTP-304
C-H	C7.031	GTP-304

4.5.14 Class 2 Centrifugal Charging Pumps (3)

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-C	C3.070	Integrally Welded Supports
C-E	C3.080	Pump Supports
C-E	C3.090	N/A
C-D	C4.030	N/A
C-G	C6.010	N/A
C-H	C7.030	GTP-304
C-H	C7.031	GTP-304

4.5.15 Class 2 Valves

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-C	C3.100	N/A
C-E	C3.110	GTP-305
C-E	C3.120	GTP-305
C-D	C4.040	N/A
C-G	C6.020	N/A
C-H	C7.040	GTP-304
C-H	C7.041	GTP-304

4.5.16 Class 2 Piping Systems

<u>A. Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-C	C3.040	Integrally Welded Supports
C-E	C3.050	GTP-305
C-E	C3.060	GTP-305
C-D	C4.020	N/A
C-F	C5.010	<.5" Thick. Piping Welds
C-F	C5.020	>.5" Thick Piping Welds
C-F	C5.030	Piping Branch Connections
C-H	C7.020	GTP-304
C-H	C7.021	GTP-304

B. The piping welds described in 4.5.16(A) include:

- (1) All terminal end welds of piping or branch runs.
- (2) All dissimilar metal welds.
- (3) All welds at locations where the stresses under loadings resulting from normal and upset plat conditions as calculated by the sum of equations 9 and 10 in NC-3652 exceed $.8(1.3S_n + S_a)$. S_n and S_a are described in ASME Code Section III.
- (4) Additional piping welds at structural discontinuities such that the total number of welds selected for examination includes the following percentages of circumferential piping welds.
 - (a) 10% of the Main Steam System welds \leq 8" diameter
 - (b) 25% of the welds in all other systems

4.5.17 The following systems piping welds will be examined in accordance with the ASME Code Section XI 1974 Edition through and including the Summer 1975 Addenda.

- A. Residual Heat Removal (4.5.18)
Safety Injection System (4.5.19)
Service Water System (4.5.20)
Reactor Building Spray System (4.5.21)
Component Cooling Water System (4.5.22)

4.5.18

RHR PIPING

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-F	C2.1	Circumferential Butt Welds
C-F	C2.2	Longitudinal Weld Joints in Fittings
C-F	C2.3	Branch Pipe-To-Pipe Weld Joints

4.5.19

SIS PIPING

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-F	C2.1	Circumferential Butt Welds
C-F	C2.2	N/A
C-F	C2.3	N/A

4.5.20

SERVICE WATER SYSTEM PIPING

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-G	C2.1	Circumferential Butt Welds
C-G	C2.2	N/A
C-G	C2.3	N/A

4.5.21

R.B. SPRAY SYSTEM PIPING

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-G	C2.1	Circumferential Butt Welds
C-G	C2.2	N/A
C-G	C2.3	N/A

4.5.22 COMPONENT COOLING WATER SYSTEM PIPING

<u>Category</u>	<u>Item No.</u>	<u>Parts Examined</u>
C-G	C2.1	Circumferential Butt Welds
C-G	C2.2	N/A
C-G	C2.3	N/A

4.5.23 Class 2 ISI NDE Exemptions

- A. Component Connections (including nozzles in vessels and pumps), piping and associated valves and vessels (and their supports) that \leq 4" NPS diameter.
- B. Components of systems or portions of systems, other than RHR and RB spray systems, that are not required to operate above a pressure of 275 psig or above a temperature of 200°F.

NOTE: Examinations specified in Attachment 7.3 may be redistributed to maintain the required percentage provided all other requirements of the code and/or this procedure are met.

5.0 DOCUMENTATION

- 5.1 Examination plans and schedules shall be prepared, approved and distributed in accordance with the requirements of this procedure.
- 5.2 NDE personnel qualification records and approved written procedures shall be maintained in accordance with the requirements of this procedure.
- 5.3 Isometric sketches shall be maintained in accordance with this procedure and shall be available for review and use during non-destructive examinations.
- 5.4 When required, radiation work permits (RWP) will be initiated and completed in accordance with Health Physics procedures.

- 5.5 When required for the removal of interferences and performing repairs, Maintenance Work Requests shall be initiated and completed in accordance with SAP-301.
- 5.6 Reports, records and results of examinations shall be prepared in accordance with the requirements of the Code and the applicable examination procedures.
- 5.7 NDE Summary (Attachment 7.5) shall be completed and become part of the final records at the end of each inservice inspection outage. This summary shall be used in completing the NIS-1 form and the ISI NDE Status Report. (Attachment 7.7). These three records shall be compared and utilized to prepare subsequent NDE Plans. Such plans shall be in accordance with the code and this procedure.
- 5.8 Evaluation results, dispositions, resolutions and changes or revisions to this program shall be prepared, approved and distributed in accordance with the requirements of the Code or applicable controlling standard and this procedure.
- 5.9 Indications determined to be unacceptable by evaluation shall be identified on Attachment 7.6. Disposition shall be in accordance with Paragraph 6.5 and A-NQCP-2.
- 5.10 Unacceptable indications requiring repair(s) by welding shall be corrected in accordance with SAP-302 and appropriate references.
- 5.11 Examination summary report (NIS-1 Form) shall be prepared from the examination data sheets and submitted to the Regulatory Authority within 90 days after each Refueling Outage.
- 5.12 Evaluation, disposition and subsequent corrective measure records may become part of the examination data sheets or maintained separately with appropriate reference to storage location.
- 5.13 Examination, evaluation, disposition, correction measure and summary reports, including the NIS-1 form, shall be maintained for the service lifetime of the component.

- 5.14 Relief requests, if any, shall be referenced on Attachments 7.2 and 7.3, as applicable. Such relief requests shall be indexed, stored and maintained under separate cover.

6.0 RESULTS

- 6.1 Evaluations of the reported indications detected during the examination shall be performed in accordance with the requirements of the Code for Class 1 and 2 items except as noted in 6.2 and 6.3.
- 6.2 Evaluations of the reported indications detected during the examination shall be performed in accordance with the requirements of the Final Safety Analysis Report (FSAR) and Regulatory Guide 1.14 for the Reactor Coolant Pump flywheels.
- 6.3 Evaluation of indications detected during eddy current examination of Steam Generator tubes shall be performed in accordance with the requirements of the Plant Technical Specification.
- 6.4 Evaluation of indications determined to be acceptable need only be documented and such evaluation records retained as part of the examination records.
- 6.5 The disposition(s) for rejectable indications shall be:
- 6.5.1 Repair to remove the flaw altogether, or
 - 6.5.2 Repair to remove the flaw to an acceptable limit, or
 - 6.5.3 Perform fracture mechanics analysis and, if permitted by such analysis, monitor the item during subsequent inservice examinations as required by the Code, or
 - 6.5.4 Replace the component, and

- 6.5.5 In addition to one or all of the disposition(s) in 6.5.1, 6.5.2, 6.5.3 and 6.5.4, an additional number of components within the same examination category approximately equal to the number of components examined initially during that inspection shall be examined. If these additional examinations reveal rejectable indications subsequent examinations shall be in accordance with IWB-2430 or IWC-2430 as applicable.
- 6.6 Evaluation of items, for which no standard exists in ASME Section XI Code, may be performed in accordance with the original construction code.
- 6.7 Review of examination results shall be documented as part of Attachment 7.5. Measures taken to correct such documentation shall be noted.

7.0 ATTACHMENTS

- 7.1 Code Class 1 and 2 Inspection Program
- 7.2 Ten Year Examination Program Class 1
- 7.3 Ten Year Examination Program Class 2
- 7.4 NDE Plan
- 7.5 NDE Summary
- 7.6 Unacceptable Indication Summary
- 7.7 ISI NDE Status Report

CODE CLASS 1 AND 2 INSPECTION PROGRAM

INSPECTION INTERVAL	INSPECTION PERIOD YEARS	MINIMUM EXAMINATIONS COMPLETED, %	MAXIMUM EXAMINATIONS COMPLETED, %
1) 1st	3	16	34
	7	50	67
	10	100	100
1) 2nd	13	16	34
	17	50	67
	20	100	100
1) 3rd	23	16	34
	27	50	67
	30	100	100
1) 4th	33	16	34
	37	50	67
	40	100	100

- 1) Each Inspection Interval may be decreased or extended (but not cumulatively) by as much as 1 year. For power units that are out of service for 6 months or more, the Inspection Interval during which the outage occurred may be extended for a period equivalent to the outage.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-N-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S) (1)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	(2) EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B13.010	Major Item	Reactor Vessel Interior Isometric CGE-1-1100	VT-3	1	1-*	1		*Accessible Areas During 1st Refueling Outage.

(1) Examinations include space above and below the core that is made accessible by removal of components during normal refueling outages.

(2) At 1st refueling outage, and subsequent refueling outages at approximately 3 year intervals.

TEN YEAR EXAMINATION PROGRAM
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MAJOR ITEM Reactor Vessel
 CATEGORY B-D

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1)(2) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B3.090	Major Item	Nozzle-To Vessel Welds Isometric CGE-1-1100A	UT	6	2-100%	1 *		*2nd Refueling
B3.100	Major Item	Nozzle-To Vessel Inside Radius Welds Isometric CGE-1-1100A	UT	6	2-100%	1 *		

(1) Examinations conducted concurrent with nozzle to safe end welds.

(2) At least 25% but not more than 50% of the nozzles shall be examined by the end of the 1st period and the remainder by the end of the interval.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.010	Major Item	Nozzle-To-Safe End Welds Isometric CGE-1-4100	UT PT	6	2-*	1 #		*Relief Request Number 1-RPV-1 # <u>2nd</u> Refueling

(1) Examinations conducted concurrent with nozzle-to-vessel welds.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Vessel Loop "A" RC Piping	Terminal End Piping Welds Isometric CGE-1-4100	UT PT	2 #	2-*	1 ##		*Relief Request Number 1-RPV-1 (*#) Relief Request Number 1-PIPE-2
B9.011	Reactor Coolant Pump "A" RC Piping	Terminal End Piping Welds Isometric CGE-1-4100	UT PT	2 #	2-(*)	1		# Welds 2, 4, 7, 12, 13 and 15
B9.011	Steam Generator Loop "A" RC Piping	Terminal End Piping Welds CGE-1-4100	UT PT	2 #	2-**	1		**Relief Request Number 1-S/G-1 ## - 2nd Refueling

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.030	S/G "A" RC Piping	Nozzle-To Safe End Dissimilar Metal Terminal End Welds Isometric CGE-1-4100	UT PT	2	2-* #	1		*Relief Request Number 1-S/G-1 #Welds 5(DM) and 6(DM)

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "A" Piping	> 4" Diameter Circumferential Welds Isometric CGE-1-4100	UT PT	6	None *	1		*Terminal End Piping Welds Meet Requirement.
B9.031	Reactor Coolant Loop "A" Piping	> 2" Diameter Branch Connections (BC) Isometric CGE-1-4100	UT PT	9	4-100% ** ##			** -Relief Request Number 1-PIPE-2 ## Welds 20(BC), 21(BC), 24(BC) And 26(BC) To Be Included For Examination
B9.032	Reactor Coolant Loop "A" Piping	< 2" Diameter Branch Connections (BC) Isometric CGE-1-4100	PT	1	1-100% #			# Include Weld 22(BC) For Examination

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Category B-j Reactor Coolant System

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "A" Accumulator Discharge Piping	> 4" Diameter Circumferential Pipe Welds Isometric CGE-1-4101	UT PT	21	6*	1		*Relief Request Number 1-PIPE-2

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8948A Valve	Studs CGE-1-4101 CGE-1-6300	VT-1	18	18-100%	1		
B7.070	8948A Valve	Nuts CGE-1-4101 CGE-1-6300	VT-1	18	18-100%	1		
B7.070	8956A Valve	Studs CGE-1-4101 CGE-1-6300	VT-1	18	18-100%	1		
B7.070	8956A Valve	Nuts CGE-1-4101 CGE-1-6300	VT-1	18	18-100%	1		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "A" RHR Takeoff Piping	> 4" Diameter Circumferential Pipe Welds Isometric CGE-1-4102	UT PT	23	6 *	1		*Relief Request Number 1-PIPE-2
B9.031	Reactor Coolant Loop "A" RHR Takeoff Piping	> 2" Branch Connections (BC) Isometrics CGE-1-4102	UT PT	2	None ** #	1		**Relief Request 1-PIPE-1
B9.040	Reactor Coolant Loop "A" RHR Takeoff Piping	< 2" Diameter Socket Welds Isometric CGE-1-4102	PT	2	1-100%	1		#Isometric CGE-1-4100 Meets Requirements

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8702A Valve	Studs CGE-1-4102 CGE-1-6300	VT-1	18	18-100%	1		
B7.070	8702A Valve	Nuts CGE-1-4102 CGE-1-6300	VT-1	18	18-100%	1		
B7.070	8701A Valve	Studs CGE-1-4102 CGE-1-6300	VT-1	18	18-100%	1		
B7.070	8701A Valve	Nuts CGE-1-4102 CGE-1-6300	VT-1	18	18-100%	1		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "A" Safety Injection Piping	> 4" Diameter Circumferential Pipe Welds Isometric CGE-1-4103	UT PT	16	4 *	1		*Relief Request Number 1-PIPE-2

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-K-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.010	RC Safety Injection System Loop "A" Piping	Integral Welded Support Shear Lugs Isometric CGE-1-4103 (WS-1)	PT	8	8-100%	1		

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 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8998A Valve	Studs CGE-1-4103 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8998A Valve	Nuts CGE-1-4103 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8973A Valve	Studs CGE-1-4103 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8973A Valve	Nuts CGE-1-4103 CGE-1-6300	VT-1	16	16-100%	1		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "A" Safety Injection	> 4" Diameter Circumferential Pipe Welds Isometric CGE-1-4104	UT PT	21	6 *	1		*Relief Request Number 1-PIPE-2

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8993A Valve	Studs CGE-1-4104 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8993A Valve	Nuts CGE-1-4104 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8988A Valve	Studs CGE-1-4104 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8988A Valve	Nuts CGE-1-4104 CGE-1-6300	VT-1	16	16-100%	1		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
CATEGORY B-M-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE (2)METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B12.040	SI Valves	XVC 8993A XVC 8948B XVC 8956B XVC 8998B XVC 8973B XVC 8993B XVC 8988B XVC 8948C XVC 8956A XVC 8998A XVC 8973A XVC 8948A XVC 8993A XVC 8988A XVC 8956C XVC 8998A XVC 8948C XVC 8998C XVC 8973C XVC 8993C Check Valves CGE-1-6200 CGE-1-6300	VT-1	20	1-Accessible Internal Surfaces When Disassembled	1		

(1) Examinations are limited to one valve within each group of valves that are of the same constructional design, e.g. containment isolation, over pressure protection which are > 4" nominal pipe size.

(2) Examinations may be deferred to the end of the inspection interval.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "A" RTD Return Piping	< 4" Diameter Circumferential Pipe Welds Isometric CGE-1-4105	PT	28	7-100% *	1		* Include Weld 23 at Valve 8074A for Examination

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8074A Valve	Studs CGE-1-4105 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8074A Valve	Nuts CGE-1-4105 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8073A Valve	Studs CGE-1-4105 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8073A Valve	Nuts CGE-1-4105 CGE-1-6300	VT-1	16	16-100%	1		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	RTD Return Flange 1	Flange Studs Isometric CGE-1-4105 CGE-1-4700	VT-1	8	8-100%	1		
B7.050	RTD Return Flange 1	Flange Nuts Isometric CGE-1-4105 CGE-1-4700	VT-1	16	16-100%	1		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "A" Alternate Charging Piping	< 4" Diameter Circumferential Welds Isometric CGE-1-4106	PT	10	5-100% *	1		*Welds 1, 6, 7, 8 and 9 to be Examined
B9.021	Reactor Coolant Loop "A" Letdown Piping	< 4" Diameter Circumferential Welds Isometric CGE-1-4107	PT	21	3-100% # and (*#)	1		# Include Welds 18 and 19 for Examination (*#) - These Examinations and Isometric CGE-1-4106 Meet Requirements

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8379 Valve	Studs CGE-1-4106 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8379 Valve	Nuts CGE-1-4106 CGE-1-6300	VT-1	16	16-100%	1		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8346 Valve	Studs CGE-1-4106 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8346 Valve	Nuts CGE-1-4106 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8085 Valve	Studs CGE-1-4107 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	8085 Valve	Nuts CGE-1-4107 CGE-1-6300	VT-1	16	16-100%	1		
B7.070	LCV 460 Valve	Studs CGE-1-4107 CGE-1-6300	VT-1	6	6-100%	1		
B7.070	LCV 460 Valve	Nuts CGE-1-4107 CGE-1-6300	VT-1	6	6-100%	1		
B7.070	LCV 459 Valve	Studs CGE-1-4107 CGE-1-6300	VT-1	6	6-100%	1		
B7.070	LCV 459 Valve	Nuts CGE-1-4107 CGE-1-6300	VT-1	6	6-100%	1		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "A" RTD Takeoff Piping	< 4" Diameter Circumferential Welds Isometric CGE-1-4108	PT	1	1-100%	1		
B9.040	Reactor Coolant Loop "A" RTD Takeoff Piping	Socket Welds Isometric CGE-1-4108	PT	17	4-100%	1		
B9.040	Reactor Coolant Loop "A" CL Takeoff Piping	Socket Welds Isometric CGE-1-4109	PT	24	7-100% *	1		*Include Welds 10 and 11 For Examination

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	Takeoff Flange 1	Flange Studs Isometric CGE-1-4109 CGE-1-4700	VT-1	8	8-100%	1		
B7.050	Takeoff Flange 1	Flange Nuts Isometric CGE-1-4109 CGE-1-4700	VT-1	16	16-100%	1		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "A" Drain Line Piping	< 4" Diameter Circumferential Welds Isometric CGE-1-4110	PT	1	None*	1		*B9.021 Isometric CGE-1-4108 Meets Requirement.
B9.040	Reactor Coolant Loop "A" Drain Line Piping	Socket Welds Isometric CGE-1-4110	PT	5	2-100% #	1		#Include Weld 4 at Valve 8057A.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.032	Reactor Coolant Loop "A" - 2" High Head SIS Piping	Branch Connection (BC) Isometric CGE-1-4111	PT	1	None *			*Isometric CGE-1-4100 Meets Requirement
B9.040	Reactor Coolant Loop "A" 2" High Head SIS Piping	Socket Welds Isometric CGE-1-4111	PT	39	10-100%	1		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-K-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.010	RC High Head Loop "A" Piping	Integral Welded Support Lugs Isometric CGE-1-4111 (WS-1)	PT	3	3-100%	1	25%	

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.032	Reactor Coolant Loop "A" - 2" High Head SIS	Branch Connections (BC) Isometric CGE-1-4112	PT	1	None #	1		# B9.032 Isometric CGE-1-4100 Meets Requirement
B9.040	Reactor Coolant Loop "A" - 2" High Head SIS	Socket Welds Isometric CGE-1-4112	PT	11	3-100%	1		B9.040 Isometric CGE-1-4111 And These Examinations Meet Requirement

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.032	Reactor Coolant Loop "A" - 2" SIS High Head	Branch Connections (BC) Isometric CGE-1-4113	PT	1	None #	1		# B9.032 Isometric CGE-1-4100 Meets Requirement
B9.040	Reactor Coolant Loop "A" - 2" SIS High Head	Socket Welds Isometric CGE-1-4113	PT	11	3-100%	1		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "A" - 1 1/2" Seal Injection	< 4" Diameter Circumferential Welds Isometric CGE-1-4114	PT	1	None #	1		# B9.021 Isometric CGE-1-4108 Meets Requirement
B9.040	Reactor Coolant Loop "A" - 1 1/2" Seal Injection	Socket Welds Isometric CGE-1-4114	PT	11	3-100%	1		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	Seal Injection Flange 1	Flange Studs Isometric CGE-1-4114	VT-1	4	4-100%	1		
B7.050	Seal Injection Flange 1	Flange Nuts Isometric CGE-1-4114	VT-1	8	8-100%	1		

(1) Bolting may be examined either (a) in place under tension (b) when the connection is disassembled, or (c) when the bolting is removed.

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 ASME SECTION XI - Class 1

MAJOR ITEM Pressurizer
 CATEGORY B-D

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B3.110	Pressurizer	Nozzle-To-Vessel Welds Isometric CGE-1-2100	UT	7	3-*	1		*Relief Request Number 1-PRESS-1
B3.120	Pressurizer	Nozzle-To-Vessel Inside Radius Welds Isometric CGE-1-2100	UT	7	3-#	1		*Relief Request Number 1-PRESS-2

(1) At least 25% but not more than 50% of the nozzles shall be examined by the end of the 1st period and the remainder by the end of the interval.

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 ASME SECTION XI - Class 1

MAJOR ITEM Pressurizer
 CATEGORY B-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.020	Pressurizer	Nozzle-To-Safe End Dissimilar Metal Welds (DM) Isometrics CGE-1-4500	UT PT	1	1-*	1		*relief Request Number 1-PRESS-1
B5.020	Pressurizer	Nozzle-To-Safe End Dissimilar Metal Welds (DM) Isometric CGE-1-4502	UT PT	1	1-#	1		

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MAJOR ITEM Reactor Coolant System
 CATEGORY E-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Pressurizer Surge Line Piping	> 4" Diameter Terminal End Weld Isometric CGE-1-4500	UT PT	1	1-*--#	1		*Relief Request Number 1-PIPE-2
B9.011	Pressurizer Surge Line Piping	> 4" Diameter Circumferential Piping Welds Isometric CGE-1-4500	UT PT	11	10-*--#	1		#Welds 2 Through 12 Shall Be Examined.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Pressurizer Relief Piping	> 4" Diameter Terminal End Piping Weld Isometric CGE-1-4502	UT PT	1	1-*	1		*Relief Request Number 1-PIPE-2
B9.011	Pressurizer Relief Piping	> 4" Diameter Circumferential Welds Isometric CGE-1-4502	UT PT	21	None-*-#	1		#Isometric CGE-1-4500 Meets Requirements.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-M-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE (2) METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B12.040	RC System Valves	XVR 8010A XVR 8010B XVR 8010C CGE-1-4501 Relief Valves CGE-1-6300	VT-1	3	1-Accessible Internal Surfaces when Disassembled	1		

(1) Examinations are limited to one valve within each group of valves that are of the same constructional design, e.g. containment isolation, system over pressure protection which are > 4" nominal pipe size.

(2) Examinations may be deferred to the end of the inspection interval.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Pressurizer Relief Piping Between Valve PCV-445A and Weld 10	< 4" Diameter Circumferential Piping Welds Isometric CGE-1-4505	PT	6	1-* 100%	1		*B9.021 PCV-444B Piping Welds 3rd Period Meets Requirement

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8000A Valve	Studs CGE-1-4505	VT-1	16	16-100%	1		
B7.070	8000A Valve	Nuts CGE-1-4505	VT-1	16	16-100%	1		
B7.070	PCV-445A Valve	Studs CGE-1-4505	VT-1	6	6-100%	1		
B7.070	PCV-445A Valve	Nuts CGE-1-4505	VT-1	6	6-100%	1		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled or (c) when the bolting removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-I

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.040	Pressurizer 2" Aux. From Welds 1 Through 16 Spray	Socket Welds Isometric CGE-1-4506	PT	16	4-100%	1		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8145 Valve	Studs CGE-1-4506 CGE-1-6300	VT-1	6	6-100%	1		
B7.070	8145 Valve	Nuts CGE-1-4506 CGE-1-6300	VT-1	6	6-100%	1		

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Steam Generator "A"
 CATEGORY B-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B2.040	Major Item	Tube Sheet To Head Weld Isometric CGE-1-3100	UT	1	1-100%	1		

TEN YEAR EXAMINATION PROGRAM
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MAJOR ITEM Steam Generator "A"
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7-030	HC System Manway	Bolts Isometric CGE-1-3100	VT-1	32	32-100%	1		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Steam Generator "A"
 CATEGORY B-Q

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B16.020	Major Item	S/G Tubes	ET	*	*	*	*	*STP 404.901 (Tech. Specs.)

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - N/A

MAJOR ITEM Reactor Coolant Pumps
 CATEGORY "A", "B" and "C"
N/A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
-	Pump "A"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	1		*Reg. Guide 1.14
-	Pump "B"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	1		
-	Pump "C"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	1		

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MAJOR ITEM Reactor Coolant Pump "A"
 CATEGORY B-G-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	(2)(3) EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B6.180	RC Pump "A"	Flange Bolts Isometric CGE-1-5100A	UT MT*	24	24-100%	1		*MT required only if removed
B6.190	RC Pump "A"	Flange Bolts CGE-1-5100A	UT	24	24-as accessible from bolt head	1		In lieu of B6.180 above
B6.200	RC Pump "A"	Flange Hole Ligaments Isometric CGE-1-5100A	VT-1	24*	24-100%	1		*On each Flange piece
B6.200	RC Pump "A"	Threaded Bolt Holes Isometric CGE-1-5100A	VT-1	24	24-100%	1		Examinations on this page may be performed in any period

- (1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.
- (2) Examinations are only required for bolts and studs when R.C. Pump casing welds are required to be examined.
- (3) Bolting examinations may be deferred to the end of the inspection interval.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant Pump "A"
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.060	RC Pump "A"	Lower Seal Housing Bolts Isometric CGE-1-5100A	VT-1	12	12-100%	1		
B7.060	RC Pump "A"	Upper Seal Housing Bolts Isometric CGE-1-5100A	VT-1	12	12-100%	1		

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MAJOR ITEM Reactor Coolant Pump "A"
 CATEGORY B-K-1, B-K-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.020	Reactor Coolant Pump "A"	No integrally welded supports	---	---	---	---	---	---
B10.020	Reactor Coolant Pump "A"	Pump Supports	VT-3	3	3-100%	1		

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MAJOR ITEM Reactor Vessel
 CATEGORY B-N-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S) (1)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (2)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B13.010	Major Item	Reactor Vessel Interior	VT-3	1	1-*	2		*Accessible Areas During 3rd Refueling Outage.

(1) Examinations include space above and below the core that is made accessible by removal of components during normal refueling operations.

(2) At 1st refueling outage, and subsequent refueling outages at approximately 3 year intervals.

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MAJOR ITEM Reactor Vessel
 CATEGORY B-D

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1)(2) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B3.090	Major Item	Nozzle-To-Vessel Welds Isometric CGE-1-1100A	UT	6	2-100%	2		
B3.100	Major Item	Nozzle-To-Vessel Welds Isometric CGE-1-1100A	UT	6	2-100%	2		

(1) Examinations conducted concurrent with nozzle to safe end welds.

(2) At least 25% but not more than 50% of the nozzles shall be examined by the end of the 1st period and the remainder by the end of the interval.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s) (1)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.010	Reactor Vessel	Conoseal Bolt- ing Clamps Isometric CGE-1-1300	VT-1	3	3-100%	2		
B7.010	Reactor Vessel	Conoseal Bolts Isometric CGE-1-1300	VT-1	12	12-100%	2		

(1) Bolting may be examined (a) in place under tension (b) when the connection is disassembled, or (c) when bolting is removed.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.010	Reactor Vessel	Nozzle-To-Safe End Welds Isometric CGE-1-4200	UT PT	2	2-*	2		*Relief Request Number 1-RPV-1

(1) Examinations conducted concurrent with nozzle-to-vessel welds.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Vessel Loop "B" RC Piping	Terminal End Piping Welds Isometric CGE-1-4200	UT PT	2 #	2-*	2		*Relief Request Number 1-RPV-1
B9.011	Reactor Coolant Pump Loop "B" RC Piping	Terminal End Piping Welds Isometric CGE-1-4200	UT PT	2 #	2-(**)	2		#Welds 2, 4, 7, 12, 13 and 15. (**) Relief Request Number 1-PIPE-2
B9.011	S/G "B" "B" RC Piping	Terminal End Piping Welds Isometric CGE-1-4200	UT PT	2 #	2-**	2		**Relief Request Number 1-S/G-1

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MAJOR ITEM Steam Generator "B"
 CATEGORY B-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.030	S/G "B" RC Piping	Nozzle-To-Safe End Dissimilar Metal Terminal End Welds Isometric CGE-1-4200	UT PT	2	2-* #	2		*Relief Request Number 1-S/G-1 #Welds 5(DM) and 6(DM)

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "B" Piping	> 4" Diameter Circumferential Welds Isometric CGE-1-4200	UT PT	6	* None	2		*Terminal End Piping Welds Meet Requirements **Relief Request Number 1-PIPE-1
B9.031	Reactor Coolant Loop "B" Piping	> 2" Diameter Branch Connection Welds (BC) Isometric CGE-1-4200	UT PT	5	3-** (Welds 18BC, 22BC, and 23BC)	2		#Relief Request Number 1-PIPE-2
B9.032	Reactor Coolant Loop "B" Piping	< 2" Diameter Branch Connection Welds (BC) Isometric CGE-1-4200	PT	2	2-100% (Welds 19BC and 20BC)	2		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "B" Accumulator Discharge Piping	> 4" Diameter Elbow-to-Pipe, Valve-to-Pipe, and Pipe-to-Pipe Welds Isometric CGE-1-4201	UT PT	13	4**	2		**Relief Request Number 1-PIPE-2

TEN YEAR EXAMINATION PROGRAM
ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
CATEGORY B-K-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.010	RC Accumulator Discharge Loop "B" Piping	Integral Welded Support Lugs Isometric CGE-1-4201 (WS-1)	PT	8	8-100%	2		
B10.010	RC Accumulator Discharge Loop "B" Piping	Integral Welded Support Isometric CGE-1-4201 (WS-2)	PT	1	1-100%	2		
B10.010	RC Accumulator Discharge Loop "B" Piping	Integral Welded Support Isometric CGE-1-4201 (WS-3)	PT	1	1-100%	2		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G. 2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8948B Valve	Studs CGE-1-4201 CGE-1-6300	VT-1	18	18-100%	2		
B7.070	8948B Valve	Nuts CGE-1-4201 CGE-1-6300	VT-1	18	18-100%	2		
B7.070	8956B Valve	Studs CGE-1-4201 CGE-1-6300	VT-1	18	18-100%	2		
B7.070	8956B Valve	Nuts CGE-1-4201 CGE-1-6300	VT-1	18	18-100%	2		

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "B" Safety Injection System Piping	> 4" Diameter Elbow-to-Pipe, Valve-to-Pipe, and Pipe-to-Pipe Welds Isometric CGE-1-4202	UT PT	20	5 **	2		**Relief Request Number 1-PIPE-2

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8998B Valve	Studs CGE-1-4202 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8998B Valve	Nuts CGE-1-4202 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8973B Valve	Studs CGE-1-4202 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8973B Valve	Nuts CGE-1-4202 CGE-1-6300	VT-1	16	16-100%	2		

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "B" Safety Injection System Piping	> 4" Diameter Valve-to-Pipe, Elbow-to-Pipe, and Pipe-to-Pipe Welds Isometric CGE-1-4203	UT PT	12	3 **	2		*Relief Request Number 1-PIPE-2

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-K-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.010	RC Safety Injection System Loop "B" Piping	Integral Welded Support Shear Lug Isometric CGE-1-4203 (WS-1)	PT	8	8-100%	2		

TEN YEAR EXAMINATION PROGRAM
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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.*	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8993B Valve	Studs CGE-1-4203 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8993B Valve	Nuts CGE-1-4203 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8988B Valve	Studs CGE-1-4203 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8988B Valve	Nuts CGE-1-4203 CGE-1-6300	VT-1	16	16-100%	2		

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	* TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "B" RTD Return Piping	< 4" Diameter Valve-to-Pipe, Elbow-to-Pipe, Flange-to-Pipe, and Pipe-to Pipe Welds Isometric CGE-1-4204	PT	24	6-100% *	2 .		*Include Weld 21 At Valve 8074B For Examination

TEN YEAR EXAMINATION PROGRAM
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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8074B Valve	Studs CGE-1-4204 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8074B Valve	Nuts CGE-1-4204 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8073B Valve	Studs CGE-1-4204 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8073B Valve	Nuts CGE-1-4204 CGE-1-6300	VT-1	16	16-100%	2		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	RTD Return Flange 1	Flange Studs Isometric CGE-1-4204	VT-1	8	8-100%	2		
B7.050	RTD Return Flange 1	Flange Nuts Isometric CGE-1-4204	VT-1	8	16-100%	2		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled or (c) when the bolting is removed.

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 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "B" Normal Charging Piping	< 4" Diameter Valve-to-Pipe and Elbow-to-Pipe Welds Isometric CGE-1-4205	PT	12	7-100% #	2		Include Welds 1, 6, 7, 8, 9, 10 and 11 For Examination

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.070	8378 Valve	Studs CGE-1-4205 CGE-1-6300	VT-1	16	16-100%	2		
B9.070	8378 Valve	Nuts CGE-1-4205 CGE-1-6300	VT-1	16	16-100%	2		
B9.070	8347 Valve	Studs CGE-1-4205 CGE-1-6300	VT-1	16	16-100%	2		
B9.070	8347 Valve	Nuts CGE-1-4205 CGE-1-6300	VT-1	16	16-100%	2		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "B" RTD Takeoff Piping	< 4" Diameter Circumferential Welds Isometric CGE-1-4206	PT	1	1-100%	2		
B9.040	Reactor Coolant Loop "B" RTD Takeoff Piping	Socket Welds Isometric CGE-1-4206	PT	17	5-100%	2		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.040	Reactor Coolant Loop "B" RTD Takeoff Piping	Socket Welds Isometric CGE-1-4207	PT	24	6-100% *	2		*Include Welds 10 And 11 For Examination.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	RTD Takeoff Flange 1	Flange Studs Isometric CGE-1-4207	VT-1	8	8-100%	2		
B7.050	RTD Takeoff Flange 1	Flange Nuts Isometric CGE-1-4207	VT-1	16	16-100%	2		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.040	Reactor Coolant 2" Drain Line Piping	Socket Welds Isometric CGE-1-4208	PT	9	3-100%	2		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.032	Reactor Coolant Loop "B" - 2" High Head SIS	< 2" Diameter Branch Connection Weld (BC) Isometric CGE-1-4209	PT	1	None *	2		*B9.032 Isometric CGE-1-4200 Meets Requirement
B9.040	Reactor Coolant Loop "B" - 2" High Head SIS	Socket Welds Isometric CGE-1-4209	PT	23	6-100%	2		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.032	Reactor Coolant Loop "B" - 2" High Head Piping	< 2" Diameter Branch Connection Weld Isometric CGE-1-4210	PT	1	None *	2		*B9.032 Isometric CGE-1-4200 Meets Requirement
B9.040	Reactor Coolant Loop "B" - 2" High Head Piping	Socket Welds Isometric CGE-1-4210	PT	9	2-100% #	2		B9.040 Isometric CGE-1-4206 And These Examinations Meet Requirements

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "B" - 2" High Head Piping	< 4" Diameter Circumferential Welds Isometric CGE-1-4211	PT	4	None *	2		* B9.021 Isometric CGE-1-4206 Meets Requirement
B9.032	Reactor Coolant Loop "B" - 2" High Head Piping	< 2" Diameter Branch Connection Weld (BC) Isometric CGE-1-4211	PT	1	None #	2		# B9.032 Isometric CGE-1-4200 Meets Requirement
B9.040	Reactor Coolant Loop "B" - 2" High Head Piping	Socket Welds Isometric CGE-1-4211	PT	11	2-100% #	2		# B9.040 Isometric CGE-1-4208 And These Examinations Meet Requirements

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "B" - 1 1/2" Seal Injection Piping	< 4" Diameter Circumferential Weld Isometric CGE-1-4212	PT	1	None *	2		*B9.021 Isometric CGE-1-4206 Meets Requirement
B9.040	Reactor Coolant Loop "B" - 1 1/2" Seal Injection Piping	Socket Welds Isometric CGE-1-4212	PT	9	3-100%	2		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-M-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B12.040	RH System Valves	XVG-8701A XVG-8701B XVG-8702A XVG-8702B CGE-1-6200 CGE-1-6300 Gate Valves	VT-1	4	1-Accessible Internal Surfaces When Disassembled	2	67%	

- (1) Examinations are limited to one valve within each group of valves that are of the same constructional design, e.g. containment isolation, system over pressure protection which are > 4" nominal pipe size.
- (2) Examinations may be deferred to the end of the inspection interval.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	Seal Injection Flange 1	Flange Studs Isometric CGE-1-4212	VT-1	4	4-100%	2		
B7.050	Seal Injection Flange 1	Flange Nuts Isometric CGE-1-4212	VT-1	8	8-100%	2		

(1) Bolting may be examined either (a) in place under tension, (b) when the bolting is removed, or (c) when the connection is disassembled.

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MAJOR ITEM Pressurizer
 CATEGORY B-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B2.011	Pressurizer	Circumferential Shell-To-Head Weld Isometric CGE-1-2100	UT	2	1-100%	2		
B2.012	Pressurizer	Longitudinal Shell Weld Isometric CGE-1-2100	UT	2	1-*	2		*At Least 1 Foot Of Weld Length Intersecting At Shell-To-Head Circumferential Weld. Either Welds 4 And 7; Or Welds 1 And 5 To Be Examined Concurrently.

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 ASME SECTION XI - Class 1

MAJOR ITEM Pressurizer
 CATEGORY B-H

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B8.020	Pressurizer	Bottom Head Integral Support Attachment Weld Isometric CGE-1-2100	MT	1	1-100%	2		4.25" from top of weld to weld centerline. Weld is 8.5" in width. Reference IWB 2500-13.

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MAJOR ITEM Pressurizer
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.020	Pressurizer	Manway Bolts isometric CGE-1-2100	VT-1	16	16-100%	2		

(1) In place under tension, when disconnected or removed.

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MAJOR ITEM Pressurizer
 CATEGORY B-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.020	Pressurizer Spray	Nozzle-To Safe End Dissimilar Metal Welds (DM) Isometric CGE-1-4503	UT PT	1	1-*	2		*Relief Request Number 1-PRESS-1

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Pressurizer Spray	> 4" Diameter Terminal End Welds Isometric CGE-1-4503	UT PT	1	1-* And #	2		*Relief Request Number 1-PIPE-2 # Welds 43, 44 and 45 shall be included in examination amount.
B9.011	Pressurizer Spray	> 4" Diameter Circumferential Welds Isometric CGE-1-4503	UT PT	44	11-* And #			

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	PCV 444C Valve	Studs CGE-1-4503 CGE-1-6300	VT-1	8	8-100%	2		
B7.070	PCV 444C Valve	Nuts CGE-1-4503 CGE-1-6300	VT-1	8	8-100%	2		

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8000B Valve	Studs CGE-1-4505 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	8000B Valve	Nuts CGE-1-4505 CGE-1-6300	VT-1	16	16-100%	2		
B7.070	PCV444B Valve	Studs CGE-1-4505 CGE-1-6300	VT-1	6	6-100%	2		
B7.070	PCV444B Valve	Nuts CGE-1-4505 CGE-1-6300	VT-1	6	6-100%	2		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Pressurizer 2" Aux. Spray from Welds 42 through 54	Socket Welds Isometric CGE-1-4506	PT	13	4-100% *	3		*Welds 53, 54 and 55 (BC) shall be in- cluded in examination amount.
B9.032	Pressurizer 2" Aux. Spray	< 2" Diameter Branch Connection (BC) Isometric CGE-1-4506	PT	1	1-100% *	3		

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MAJOR ITEM Steam Generator "B"
 CATEGORY B-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B2.040	Major Item	Tube Sheet-To-Head Weld Isometric CGE-1-3100	UT	1	1-100%	2		

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MAJOR ITEM N/A
 CATEGORY N/A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS

N/A to be used at future date.

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MAJOR ITEM Steam Generator "B"
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.030	RC System Manway	Bolts Isometric CGE-1-3100	VT-1	32	32-100%	2		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Steam Generator "B"
 CATEGORY E-Q

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B16.020	Major Item	S/G Tubes	ET	*	*	*	*	STP-404.901 (Tech. Specs)

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ASME SECTION XI - Class N/A

Reactor Coolant Pumps
MAJOR ITEM "A", "B" and "C"
CATEGORY N/A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
-	Pump "A"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	2		*Reg. Guide 1.14
-	Pump "B"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	2		
-	Pump "C"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	2		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class N/A

MAJOR ITEM Reactor Coolant Pump "B"
 CATEGORY B-G-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	(2)(3) EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B6.180	RC Pump "B"	Flange Bolts Isometric CGE-1-5100A	UT MT*	24	24-100%	2		*MT Required only if removed
B6.190	RC Pump "B"	Flange Bolts Isometric CGE-1-5100A	UT	24	24-as accessible from bolt head	2		In lieu of B6.180 above
B6.200	RC Pump "B"	Flange Hole Ligaments Isometric CGE-1-5100A	VT-1	24*	24-100%	2		*On each flange piece
B6.200	RC Pump "B"	Threaded Bolt Holes Isometric CGE-1-5100A	VT-1	24	24-100%	2		Examination on this page may be performed in any period

- (1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.
- (2) Examinations are only required for bolts and studs when R.C. Pump casing welds are required to be examined.
- (3) Bolting examinations may be deferred to the end of the inspection interval.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class N/A

MAJOR ITEM Reactor Coolant Pump "B"
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.060	RC Pump "B"	Lower Seal Housing Bolts Isometric CGE-1-5100A	VT-1	12	12-100%	2		
B7.060	RC Pump "B"	Upper Seal Housing Bolts Isometric CGE-1-5100A	VT-1	12	12-100%	2		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class N/A

MAJOR ITEM Reactor Coolant Pump "B"
 CATEGORY B-K-1, B-K-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.020	Reactor Coolant Pump "B"	No integrally welded supports	---	---	---	--	---	---
B11.020	Reactor Coolant Pump "B"	Pump Support	VT-3	3	3-100%	2		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-N-1, B-N-3

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B13.010	Major Item	Reactor Vessel Interior Isometric CGE-1-1100	VT-3 (1)	1	1-* (2)	3		*Accessible areas-During <u>5th</u> Refueling
B13.030	Major Item	Core Support Structure # Isometric CGE-1-1200 CGE-1-1200A	VT-3	1	1-100% Accessible Welds and Surfaces	3		# When removed. Normally, NDE is performed when lower RPV welds are examined.

(1) Examinations include space above and below the core that is made accessible by removal of components during normal refueling.

(2) At 1st refueling outage, and subsequent refueling outages at approximately 3 year intervals.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	(1) EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B1.011	Reactor Vessel	Circumferential Shell Welds Isometric CGE-1-1100	UT	3	3-100%	3		
B1.012	Reactor Vessel	Longitudinal Shell Welds Isometric CGE-1-1100	UT	6	6-100%	3		
B1.021	Reactor Vessel	Circumferential Head Weld CGE-1-1100	UT	1	1-100%*	3		*Accessible Length
B1.022	Reactor Vessel	Meridional Head Welds Isometric CGE-1-1100B	UT	6	6-100%*	3		*Accessible Length
B1.030	Reactor Vessel	Upper Shell-To-Flange Weld Isometric CGE-1-1100	UT	1	1-100%	3		
B1.040	Reactor Vessel	Top Head-To-Flange Weld Isometric CGE-1-1300	UT	1	1 #	3		# Relief Request Number 1-RPV-2

(1) Permissible to defer inspections to the end of interval.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-G-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	(1) EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B6.010	Reactor Vessel	Closure Head Nuts Isometric CGE-1-1400	MT	58	58-100%	3		*Accessible Surfaces
B6.020	Reactor Vessel	Closure Head Bolts Isometric CGE-1-1400	UT	58	58-100%	3		If Installed
B6.030	Reactor Vessel	Closure Head Bolts Isometric CGE-1-1400	UT MT	58	58-100%	3		If Removed
B6.040	Reactor Vessel	Closure Head Hole Ligaments Isometric CGE-1-1300	UT	58	58-100%	3		*As Accessible
B6.040	Reactor Vessel	Flange Hole Ligaments Isometric CGE-1-1100A	UT	58	58-100%	3		*As Accessible
B6.050	Reactor Vessel	Closure Head Washers Isometric CGE-1-1400	VT-1	58	58-100%	3		

(1) Permissible to defer inspections to the end of interval.

(2) Bolting may be examined either (a) in place under tension (b) when connection is disassembled, or (c) when bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-0

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	(1) EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B14.010	Reactor Vessel	CRDM Housing Welds Isometric CGE-1-1300A	PT	24	10% of 24 3-100%	3	100%	

(1) Permissible to defer inspections to the end of interval.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-D

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1)(2) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B3.090	Major Item	Nozzle-To-Vessel Welds Isometric CGE-1-1100A	UT	6	2-100%	3		
B3.100	Major Item	Nozzle-To-Vessel Inside Radius Welds CGE-1-1100A	UT	6	2-100%	3		

(1) Examinations conducted concurrent with nozzle-to-safe end welds.

(2) At least 25% but not more than 50% of the nozzles shall be examined by the end of the 1st period and the remainder by the end of the interval.

THE YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Vessel
 CATEGORY B-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (i)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.010	Major Item	Nozzle-To-Safe End Welds Isometric CGE-1-4300	UT PT	6	2-*	3		*Relief Request Number 1-RPV-1

(1) Examinations conducted concurrent with nozzle-to-vessel welds.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Vessel Loop "C" RC Piping	> 4" Diameter Terminal End Piping Welds Isometric CGE-1-4300	UT PT	2 #	2-*	3		*Relief Request Number 1-RPV-1. (**#) Relief Request Number 1-PIPE-2.
B9.011	Reactor Coolant Pump "C" RC Piping	> 4" Diameter Terminal End Piping Welds Isometric CGE-1-4300	UT PT	2 #	2-(**#)	3		# Welds 2, 4, 7, 12, 13 and 15.
B9.011	Steam Generator Loop "C" RC Piping	> 4" Diameter Terminal End Piping Welds Isometric CGE-1-4300	UT PT	2 #	2-***	3		**Relief Request Number 1-S/G-1.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "C" Piping	> 4" Diameter Circumferential Welds Isometric CGE-1-4300	UT PT	6	None *	3		*Terminal End Piping Welds Meet Requirements
B9.031	Reactor Coolant Loop "C" Piping	> 2" Diameter Branch Connection Welds (BC) Isometric CGE-1-4300	UT PT	6	2-(**) (Welds 19BC and 24BC)	3		#Relief Request Number 1-PIPE-2
B9.032	Reactor Coolant Loop "C" Piping	< 2" Diameter Branch Connection Welds (BC) Isometric CGE-1-4300	PT	2	2-100% (Welds 20BC and 22BC)	3		**Relief Request Number 1-PIPE-1

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "C" Accumulator Discharge Piping	> 4" Diameter Valve-to-Pipe, Elbow-to-Pipe, & Pipe-to-Pipe Welds Isometric CGE-1-4301	UT PT	13	4-*	3		*Relief Request Number 1-PIPE-2

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-K-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.010	RC Accumulator Discharge Loop "C" Piping	Integral Welded Support Shear Lugs Isometric CGE-1-4301 (WS-1)	PT	8	8-100%	3		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8956C Valve	Studs CGE-1-4301 CGE-1-6300	VT-1	18	18-100%	3		
B7.070	8956C Valve	Nuts CGE-1-4301 CGE-1-6300	VT-1	18	18-100%	3		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "C" RHR Takeoff Piping	> 4" Diameter Valve-to-Pipe, Elbow-to-Pipe, & Pipe-to-Pipe Welds Isometric CGE-1-4302	UT PT	24	6-*	3		*Relief Request Number 1-PIPE-2
B9.031	Reactor Coolant Loop "C" RHR Takeoff Piping	> 2" Diameter Branch Connections (BC) Isometric CGE-1-4302	UT PT	3	1-**	3		**Relief Request Number 1-PIPE-1
B9.040	Reactor Coolant Loop "C" RHR Takeoff Piping	< 2" Diameter Socket Welds Isometric CGE-1-4302	PT	3	1-100%	3		

TEN YEAR EXAMINATION PROGRAM
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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8702B Valve	Studs CGE-1-4302 CGE-1-6300	VT-1	18	18-100%			
B7.070	8702B Valve	Nuts CGE-1-4302 CGE-1-6300	VT-1	18	18-100%			
B7.070	8701B Valve	Studs CGE-1-4302 CGE-1-6300	VT-1	18	18-100%			
B7.070	8701B Valve	Nuts CGE-1-4302 CGE-1-6300	VT-1	18	18-100%	3		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "C" High Head Piping	> 4" Diameter Valve-to-Pipe, Elbow-to-Pipe, & Pipe-to-Pipe Welds Isometric CGE-1-4303	UT PT	18	5-*	3		*Relief Request Number 1-PIPE-2

TEN YEAR EXAMINATION PROGRAM
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MAJOR ITEM Reactor Coolant System
 CATEGORY B-K-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.010	RC High Head Loop "C" Piping	Integral Welded Support Lugs Isometric CGE-1-4303 (WS-1)	PT	8	8-100%	3		
B10.010	RC High Head Loop "C" Piping	Integral Welded Support Shear Lugs Isometric CGE-1-4303 (WS-2)	PT	8	8-100%	3		

TEN YEAR EXAMINATION PROGRAM
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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8998C Valve	Studs CGE-1-4303 CGE-1-6300	VT-1	16	16-100%	3		
B7.070	8998C Valve	Nuts CGE-1-4303 CGE-1-6300	VT-1	16	16-100%	3		
B7.070	8973C Valve	Studs CGE-1-4303 CGE-1-6300	VT-1	16	16-100%	3		
B7.070	8973C Valve	Nuts CGE-1-4303 CGE-1-6300	VT-1	16	16-100%	3		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Reactor Coolant Loop "C" High Head Piping	> 4" Diameter Circumferential Welds Isometric CGE-1-4304	UT PT	8	2-*	3		*Relief Request Number 1-PIPE-2

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8993C Valve	Studs CGE-1-4304 CGE-1-6300	VT-1	16	16-100%	3		
B7.070	8993C Valve	Nuts CGE-1-4304 CGE-1-6300	VT-1	16	16-100%	3		

(1) Bolting (bolts, nuts and studs) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "C" RTD Return Piping	< 4" Diameter Circumferential Welds Isometric CGE-1-4305	PT	26	7-100% *	3		*Weld 21 at Valve 8074C to be included for examination.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8073C Valve	Studs CGE-1-4305	VT-1	16	16-100%	3		
B7.070	8073C Valve	Nuts CGE-1-4305	VT-1	16	16-100%	3		
B7.070	8074C Valve	Studs CGE-1-4305	VT-1	16	16-100%	3		
B7.070	8074C Valve	Nuts CGE-1-4305	VT-1	16	16-100%	3		

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	RTD Return	Flange Studs Isometric CGE-1-4305 CGE-1-4700	VT-1	8	8-100%	3		
B7.050	RTD Return	Flange Nuts Isometric CGE-1-4305 CGE-1-4700	VT-1	16	16-100%	3		

(1) Bolting may be examined either (a) in place under tension (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.040	Reactor Coolant Loop "C" Takeoff Piping	Socket Welds Isometric CGE-1-4307	PT	26	7-100% *	3		Welds 8 and 9 to be included for examination.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	Takeoff	Flange Studs Isometric CGE-1-4307 CGE-1-4700	VT-1	8	8-100%	3		
B7.050	Takeoff	Flange Nuts Isometric CGE-1-4307 CGE-1-4700	VT-1	16	16-100%	3		

(1) Bolting may be examined either (a) in place under tension (b) when the connection is disassembled, or (c) when the bolting is removed.

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.040	Reactor Coolant Loop "C" Drain Piping	Socket Welds Isometric CGE-2-4308	PT	11	3-100% # and *	3		#B9.040 Isometric CGE-1-4307 and These Examinations Meet Requirements *Include Weld 9 at Valve 8057C for Examination

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.032	Reactor Coolant Loop "C" - 2" SIS High Head Piping	< 2" Diameter Branch Connection (BC) Isometric CGE-1-4309	PT	1	1-100%	3		
B9.040	Reactor Coolant Loop "C" - 2" SIS High Head Piping	Socket Welds Isometric CGE-1-4309	PT	25	7-100%	3		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.032	Reactor Coolant Loop "C" - 2" SIS High Head Piping	< 2" Diameter Branch Connection (BC) Isometric CGE-1-4310	PT	1	None #	3		#B9.032 Isometric CGE-1-4309 Meets Requirement
B9.040	Reactor Coolant Loop "C" - 2" SIS High Head Piping	Socket Welds Isometric CGE-1-4310	PT	7	2-100%	3		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "C" - 2" High Head (HL) Piping	< 4" Diameter Circumferential Welds Isometric CGE-1-4311	PT	1	None-*	3		*B9.021 Isometric CGE-1-4305 Meets Requirement
B9.040	Reactor Coolant Loop "C" - 2" High Head (HL) Piping	Socket Welds Isometric CGE-1-4311	PT	52	13-100%	3		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-K-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.010	RC High Head Loop "C"	Integral Welded Support Isometric CGE-1-4311	PT	1	1-100%	3		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Reactor Coolant Loop "C" - 1 1/2" Seal Injection	< 4" Diameter Circumferential Weld Isometric CGE-1-4312	PT	1	1-100%	3		
B9.040	Reactor Coolant Loop "C" - 1 1/2" Seal Injection	Socket Welds Isometric CGE-1-4312	PT	9	3-100%	3		

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MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.050	Seal Injection	Flange Studs Isometric CGE-1-4312 CGE-1-4700	VT-1	4	4-100%	3		
B7.050	Seal Injection	Flange Nuts Isometric CGE-1-4312 CGE-1-4700	VT-1	8	8-100%	3		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Pressurizer
 CATEGORY B-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B2.011	Pressurizer	Circumferential Shell-To-Head Weld Isometric CGE-1-2100	UT	2	1-100%	3		
B2.012	Pressurizer	Longitudinal Shell Welds Isometric CGE-1-2100	UT	2	1-%	3.		*At least 1 foot of weld length intersecting at shell-to-head weld. Either welds 4 and 7; or 1 and 5 to be examined con-currently.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Pressurizer
 CATEGORY B-D

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B3.110	Pressurizer	Nozzle-To-Vessel Welds Isometric CGE-1-2100	UT	7	4-*	3		*Relief Request Number 1-PRESS-1
B3.120	Pressurizer	Nozzle-To-Vessel Inside Radius Welds Isometric CGE-1-2100	UT	7	4-#	3		#Relief Request Number 1-PRESS-2

(1) Remainder of nozzles examined this period.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Pressurizer
 CATEGORY B-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.020	Pressurizer	Nozzle-To-Safe End Dissimilar Metal Welds (DM) Isometric CGE-1-4501	UT PT	6	3-*	3		*Relief Request Number 1-PRESS-1

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Pressurizer Safety Piping	> 4" Diameter Terminal End Piping Welds Isometric CGE-1-4501	UT PT	3	3-*	3		*Relief Request Number 1-PIPE-2
B9.011	Pressurizer Safety Piping	> 4" Diameter Circumferential Welds Isometric CGE-1-4501	UT PT	27	5*-#			#Terminal End Piping Welds and These Examinations Meet Requirements

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8010A Valve	Studs CGE-1-4501 CGE-1-6300	VT-1	8	8-100%	3		
B7.070	8010A Valve	Nuts CGE-1-4501 CGE-1-6300	VT-1	8	8-100%	3		
B7.070	8010B Valve	Studs CGE-1-4501 CGE-1-6300	VT-1	8	8-100%	3		
B7.070	8010B Valve	Nuts CGE-1-4501 CGE-1-6300	VT-1	8	8-100%	3		

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8010C Valve	Studs CGE-1-4501 CGE-1-6300	VT-1	8	8-100%	3	100%	
B7.070	8010C Valve	Nuts CGE-1-4501 CGE-1-6300	VT-1	8	8-100%	3	100%	

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.011	Pressurizer Spray Piping	> 4" Diameter Circumferential Welds Isometric CGE-1-4504	UT PT	30	8-*	3		*Relief Request Number 1-PIPE-2

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	PCV 444D Valve	Nuts CGE-1-4504 CGE-1-6300	VT-1	8	8-100%	2	67%	
B7.070	PCV 444D Valve	Studs CGE-1-4504 CGE-1-6300	VT-1	8	8-100%	2	67%	

(1) Bolting (bolts, studs and nuts) may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.021	Pressurizer Relief Piping Between Valve PCV-445B and Weld 11.	> 4" Diameter Circumferential Piping Welds Isometric CGE-1-4505	PT	6	2-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.070	8000C Valve	Studs CGE-1-4505	VT-1	16	16-100%	3		
B7.070	8000C Valve	Nuts CGE-1-4505	VT-1	16	16-100%	3		
B7.070	PCV-445B Valve	Studs CGE-1-4505	VT-1	6	6-100%	3		
B7.070	PCV-445B Valve	Nuts CGE-1-4505	VT-1	6	6-100%	3		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY B-J

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B9.040	Pressurizer Aux. Spray From Welds 16 Through 36	Socket Welds Isometric CGE-2-4506	PT	21	6-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Steam Generator "C"
 CATEGORY B-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B2.040	Major Item	Tube Sheet-To-Head Weld Isometric CGE-1-3100	UT	1	1-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant System
 CATEGORY 3-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B5.030	S/G "C" RC Piping	Nozzle-To-Safe End Dissimilar Metal Terminal End Welds Isometric CGE-1-4300	UT PT	2	2-*	3		*Relief Request Number 1-S/G-1

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 1

MAJOR ITEM Steam Generator "C"
 CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (1)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.030	RC System S/G Manway	Bolts Isometric CGE-1-3100	VT-1	32	32-100%	3		

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when bolting is removed.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class I

MAJOR ITEM Steam Generator "C"
 CATEGORY B-Q

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B16.020	Major Item	S/G Tubes	ET					*STP-404.901

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class N/A

MAJOR ITEM "A", "B", and "C"
 CATEGORY Reactor Coolant Pumps
N/A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
-	Pump "A"	Flywheel Drawing CGE-1-5100B	UT PT	1	1-100% * - #	3		*Reg. Guide 1.14 #Exposed Surfaces
-	Pump "B"	Flywheel Drawing CGE-1-5100B	UT PT	1	1-100% * - #	3		At the End of the Interval to Correspond with Refueling Outage.
-	Pump "C"	Flywheel Drawing CGE-1-5100B	UT PT	1	1-100% * - #	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class N/A

MAJOR ITEM Reactor Coolant Pumps
 CATEGORY "A" "B" and "C"
 N/A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
-	Pump "A"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	3		*Reg. Guide 1.14
-	Pump "B"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	3		
-	Pump "C"	Flywheel Drawing CGE-1-5100B	UT	1	1-Keyway and Bore Areas *	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class N/A

MAJOR ITEM Reactor Coolant Pump "C"
 CATEGORY B-G-1

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	(2)(3) EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B6.180	RC Pump "C"	Flange Bolts Isometric CGE-1-5100A	UT MT	24	24-100%	3		*MT Required Only if Removed
B6.190	RC Pump "C"	Flange Bolts Isometric CGE-1-5100A	UT	24	24-as accessible from bolt head	3		In lieu of B6.180 above
B6.200	RC Pump "C"	Flange Hole Ligaments Isometric CGE-1-5100A	VT-1	24*	24-100%	3		*On each flange piece
B6.200	RC Pump "C"	Threaded Bolt Holes Isometric CGE-1-5100A	VT-1	24	24-100%	3		Examinations on this page may be performed in any period

(1) Bolting may be examined either (a) in place under tension, (b) when the connection is disassembled, or (c) when the bolting is removed.

(2) Examinations are limited to bolts and studs on components selected under Category B-L-1.

(3) Bolting examinations may be deferred to the end of the inspection interval.

TEN YEAR EXAMINATION PROGRAM
ASME SECTION XI - Class 1

MAJOR ITEM Reactor Coolant Pump "C"
CATEGORY B-G-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	(2)(3) EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B7.060	RC Pump "C"	Lower Seal Housing Bolts Isometric CGE-1-5100A	VT-1	12	12-100%	3	100%	
B7.060	RC Pump "C"	Upper Seal Housing Bolts Isometric CGE-1-5100A	VT-1	12	12-100%	3	100%	

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class N/A

MAJOR ITEM Reactor Coolant Pump "C"
 CATEGORY B-K-1, B-K-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B10.020	Reactor Coolant Pump "C"	No integrally welded supports	---	---	---	--	---	---
B11.020	Reactor Coolant Pump "C"	Pump Support	VT-3	3	3-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class N/A

MAJOR ITEM Reactor Coolant Pump
 CATEGORY B-L-2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
B12.020	RCP "C"	Pump Casing	VT-1	1	1-*	3		*Accessible Internal Surfaces

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Steam Generator "A"
 CATEGORY C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (2)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010 (1)	Major Item	Structural Discontinuity Circumferential Shell Welds Isometric CGE-2-1100	UT	2	2-100%	1		
C1.020	Major Item	Structural Discontinuity Head-To-Shell Welds Isometric CGE-2-1100	UT	1	-----	--	---	S/G "C" examination meets requirements
C1.030	Major Item	Structural Discontinuity Tube Sheet-To-Shell Weld Isometric CGE-2-1100	UT	1	-----	--	---	S/G "A" examination (Item B2.040) meets requirements reference CGE-1-3100

(1) Only welds 2 and 3 are structural discontinuities.

(2) Examinations distributed among 3 steam generators

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Main Steam System Loop "A"	> .5" Thickness and > 8" Diameter Terminal End Piping Welds Isometric CGE-2-2100	UT MT	2	2-*	1		*Relief Request Number 2-PIPE-1
C5.021	Main Steam System Loop "A"	> .5" Thickness and > 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2100	UT MT	6	-#	--	---	# Terminal End Piping Welds Meets Requirements
C5.022	Main Steam System Loop "A"	> .5" Thickness and > 8" Diameter Longitudinal Seam Welds Isometric CGE-2-2100	UT MT **	6	2-*	1		*Relief Request Number 2-PIPE-1 **2.5t - At Intersecting Circumferential Weld

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Steam Generator "A"
 CATEGORY C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.020	Major Item	Feedwater Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	1		*Relief Request Number 2--S/G-1
C2.020	Major Item	Main Steam Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	1		
C2.020	Major Item	Auxiliary Feedwater Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	1		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Loop "A" and Common	< .5" Thickness and < 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2101	MT	8	1-100% #			*Relief Request Number 2-PIPE-1 #Include Weld Number 56.
C5.021	Loop "A" and Common	Terminal End Piping Welds Isometric CGE-2-2101	UT MT	1	1-*			

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Loop "A" and Common	> .5" Thickness and > 8" Diameter Circumferential Piping Welds 27 and 34 Isometric CGE-2-2101	UT MT	2	2-*	1		*Relief Request Number 2-PIPE-1
C5.021	Loop "A" and Common	> .5" Thickness and > 8" Diameter Structural Discontinuity Circumferential Pipe Welds Isometric CGE-2-2101	UT MT	44	10-*--#			# This Column and Welds 27, 34, 56 and Terminal End Welds Meet 25% Requirement

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.022	Loop "A" and Common	> .5" Thickness Fitting and Piping Longitudinal Seam Welds Isometric CGE-2-2101 (LS)	UT MT #	48	20-*	1		*Relief Request Number 2-PIPE-1 # 2.5t - At Intersecting Circumferential Weld
C5.031	Loop "A" and Common	< 8" Diameter Circumferential Branch Connection Welds (BC) Isometric CGE-2-2101	MT	8	1-100%	1		
C5.031	Loop "A" and Common	> 8" Diameter Circumferential Branch Connection Welds (BC) Isometric CGE-2-2101	MT	4	1-100%	1		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Common Main Steam	> .5" Thickness and > 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2105	UT MT	42	11-*	1		*Relief Request Number 2-PIPE-1
C5.022	Common Main Steam	> .5" Thickness Longitudinal Seam Welds Isometric CGE-2-2105	UT MT **	16	16-*--#	1		**2.5t - At Intersecting Circumferential Weld # This Column and Isometrics CGE-2-2100, CGE-2-2101 Meet Requirements

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Common Main Steam	> .5" Thickness and > 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2106	UT MT	7	3--#	1		*Relief Request Number 2-PIPE-1 # Requirements Met By Isometrics CGE-2-2100, CGE-2-2101, CGE-2-2102 And This Column.

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 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam Piping
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Main Steam Loop "A"	Integral Welded Support Attachments (WS) Isometric CGE-2-2100	MT	1	1-100%	1		
C3.040	Main Steam Loop "A"	Integral Welded Support Attachments (WS) Isometric CGE-2-2101	MT	17	17-100%	1		
C3.040	Main Steam Loop "A"	Integral Welded Support Attachments (WS) Isometric CGE-2-2105	MT	8	8-100%	1		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Main Steam System Loop "A"	Integral Welded Support Attachments (WS) Isometric CGE-2-2106	MT	2	2-100%	1		

TLN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Feedwater System Loop "A" Piping	> .5" Thickness Terminal End Welds Isometric CGE-2-2102	UT MT RT **	2	2-*	1		*Relief Request Number 2-PIPE-1
C5.021	Feedwater System Loop "A" Piping	> .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2102	UT MT	16	3-#-(##)	1		**ISI Weld No. 1 At 1st Refueling, Reference I&E Bulletin 79-13R2 If Cracking is Identified Additional Examinations Are Required Per I&E Bulletin
C5.022	Feedwater System Loop "A" Piping	> .5" Thickness Longitudinal Seam Welds (LS) Isometric CGE-2-2102	UT MT	2	1-#-#	1		# 2.5t - At Intersecting Circumferential Weld (##) - Terminal End Welds and These Examinations Meet Requirements

TEN YEAR EXAMINATION PROGRAM
ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "A" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2102	MT VT **	4	4-100%	1		**VT Per I&E Bulletin 79-13 R2 At 1st Refueling

TEN YEAR EXAMINATION PROGRAM
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MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Feedwater System Loop "A" Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2103	MT	2	1-100%	1		*Relief Request Number 2-PIPE-1
C5.021	Feedwater System Loop "A" Piping	> .5" Thickness Terminal End Piping Welds Isometric CGE-2-2103	UT MT	1	1-*	1		
C5.021	Feedwater System Loop "A" Piping	> .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2103	UT MT	47	11-*	1		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.031	Feedwater System Loop "A" and Common Piping	Circumferential Piping Branch Connections Isometric CGE-2-2103	MT	3	1-100%	1		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "A" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2103	MT	8	8-100%	1		

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MAJOR ITEM Auxiliary Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Aux. Feedwater Loop "A" Piping	< .5" Thickness Terminal End Piping Weld Isometric CGE-2-2104	MT UT **	1	1-*	1		*Relief Request Number 2-PIPE-1
C5.011	Aux. Feedwater Loop "A" Piping	< .5" Thickness Circumferential Piping Weld Isometric CGE-2-2104	MT UT **	1	1-*	1		**ISI Welds 1 & 2 Examined 1st Refueling Per I&E Bulletin 79-13R2
C5.011	Aux. Feedwater Loop "A" Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2104	MT	3	-#	--	---	# ISI Welds 1 and 2 Meet Requirements

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MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Feedwater System Loop "B" Piping	> .5" Thickness Terminal End Piping Welds Isometric CGE-2-2202	UT MT RT **	2	1-*	1		*Relief Request Number 2-PIPE-1 **ISI Weld No.1 At 1st Refueling Per I&E Bulletin 79-13R2. Ir Cracking is Identified Additional Examinations are Required per I&E Bulletin.

MAJOR ITEM Feedwater System
 CATEGORY C-C

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ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "B" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2202	MT VT **	2	2-100%	1		**VT Per I&E Bulletin 79-13R2 at 1st Refueling

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MAJOR ITEM Auxiliary Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Aux. Feedwater System Loop "B" Piping	< .5" Thickness Terminal End Piping Weld Isometric CGE-2-2204	MT UT **	1	1-*	1		*Relief Request Number 2-PIPE-1
C5.011	Aux. Feedwater System Loop "B" Piping	< .5" Thickness Circumferential Piping Weld Isometric CGE-2-2204	MT UT **	1	1-*	1		**ISI Welds 1 & 2 UT Examined 1st Refueling Per I&E Bulletin 79-13R2
C5.011	Aux. Feedwater System Loop "B" Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2204	MT	3	-#	1		# ISI Welds 1 & 2 Meet Requirements

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MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Feedwater System Loop "C" Piping	> .5" Thickness Terminal End Piping Welds Isometric CGE-2-2302	UT MT RT **	2	1-*	1		*Relief Request Number 2-PIPE-1 **ISI Weld No. 1 At 1st Refueling. Reference I&E Bulletin 79-13R2 If Cracking is Identified Additional Examinations are Required Per I&E Bulletin.

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MAJOR ITEM Feedwater System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "C" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2302	MT VT **	4	4-100%	1		**VT Per I&E Bulletin 79-13R2 At <u>1st</u> Refueling

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MAJOR ITEM Auxiliary Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Aux. Feedwater Loop "C" Piping	< .5" Thickness Terminal End Piping Weld Isometric CGE-2-2304	MT UT **	1	1-*	1		*Relief Request Number 2-PIPE-1
C5.011	Aux. Feedwater Loop "C" Piping	< .5" Thickness Circumferential Piping Weld Isometric CGE-2-2304	MT UT	1	1-*	1		**ISI Welds 1 & 2 UT Examined 1st Refueling Per I&E Bulletin 79-13R2
C5.011	Aux. Feedwater Loop "C" Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2304	MT	3	-#	--	---	# ISI Welds 1 & 2 Meet Requirements

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MAJOR ITEM RHR PUMP "A"
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.070	Major Item	Integral Welded Support Attachments (WS) Isometric CGE-2-3100	PT	3	3-100%	1		

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MAJOR ITEM RHR HEAT EXCHANGER
 CATEGORY C-A, C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	1A Heat Exchanger	Shell-To-Flange Weld Isometric CGE-2-1110	UT	1	1-*	1		*Relief Request Number 2-H/X-1
C1.020	1A Heat Exchanger	Head-To-Shell Circumferential Weld Isometric CGE-2-1110	UT	1	1-*	1		1B H/X Items C1.010 and C1.020 May Be Substituted for 1A H/X.
C2.010	1A Heat Exchanger	Inlet and Outlet Nozzle Welds Isometric CGE-2-1110	PT	2	2-# Saddle Prevents Accessibility To Nozzle Welds. Examine Saddle-To-Shell Welds	1		#Relief Request Number 2-H/X-4

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MAJOR ITEM RHR HEAT EXCHANGER
 CATEGORY C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
Cl.010	1B Heat Exchanger	Shell-To-Flange Circumferential Weld Isometric CGE-2-1110	UT	1	0-*	--	---	*Relief Request Number 2-H/X-1
Cl.020	1B Heat Exchanger	Head-To-Shell Circumferential Weld Isometric CGE-2-1110	UT	1	0-*	--	---	1A RHR H/X Meets Requirements For Cl.010 & Cl.020.

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MAJOR ITEM RHR SYSTEM
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	RHR "A" Loop Piping	Terminal End Piping Welds Isometric CGE-2-2500	UT PT	3 *	1-#	1		*Welds 14, 15 or 30.
C2.01	RHR "A" Loop Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2500	UT PT	48	3-#	1		#Relief Request No. 2-PIPE-1
C2.01	RHR "A" Loop Piping	Longitudinal Seam Welds In Fittings (LS) Isometric CGE-2-2500	UT PT	36	3-#	1		

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MAJOR ITEM RHR SYSTEM
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	RHR "A" Loop Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2500	PT	11	11-100%	1		

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MAJOR ITEM RHR SYSTEM
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	RHR Pump "A" and Heat Exchanger "A" Piping	Terminal Piping Welds Isometric CGE-2-2520	UT PT	2 *	2-#	1		*Welds 1 or 35
C2.01	RHR Pump "A" and Heat Exchanger "A" Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2520	UT PT	30	2-#	1		#Relief Request No. 2-PIPE-1
C2.01	RHR Pump "A" and Heat Exchanger "A" Piping	Longitudinal Seam Welds In Fittings (LS) Isometric CGE-2-2520	UT PT	26	2-#	1		

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MAJOR ITEM RHR System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	RHR Pump "A" and Heat Exchanger "A" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2520	PT	4	4-100%	1		

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MAJOR ITEM RHR System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	RHR Heat Exchanger "A" Piping	Structural Discontinuity Circumferential Piping Welds 1 Isometric CGE-2-2521	UT PT	57	4-#	1		
C2.01	RHR Heat Exchanger "A" Piping	Longitudinal Seam Welds In Fittings (LS) Isometric CGE-2-2521	UT PT	6	1-#	1		
C2.01	RHR Heat Exchanger "A" Piping	Terminal End Piping Welds Isometric CGE-2-2521	UT PT	2 *	1-#	1		#Relief Request Number 2-PIPE-1 *Welds 7 or 8

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MAJOR ITEM RHR System
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	RHR Heat Exchanger "A" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2521	PT	8	8-100%	1		

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MAJOR ITEM RHR System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	RHR Heat Exchanger "A" Piping	Terminal End Piping Welds Isometric CGE-2-2522	UT PT	1 *	1-#	1		*Weld 1
C2.01	RHR Heat Exchanger "A" Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2522	UT PT	39	3-#	1		#Relief Request No. 2-PIPE-1
C2.02	RHR Heat Exchanger "A" Piping	Longitudinal Seam Welds (LS) Isometric CGE-2-2522	UT PT	2	1-#	1		

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MAJOR ITEM RHR System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	RHR Heat Exchanger "A" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2522	PT	10	10-100%	1		

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MAJOR ITEM Regenerative
 CATEGORY Heat Exchanger
C-A, C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	Major Item	Structural Discontinuity Circumferential Shell Welds Isometric CGE-2-1120	UT	6	6-*	1		*Relief Request Number 2-H/X-1; Welds 1 through 6.
C1.020	Major Item	Head-To-Shell Welds Isometric CGE-2-1120	UT	2	2-*	1		
C2.020	Major Item	Nozzle-To-Shell Welds Isometric CGE-2-1120	UT PT	2	2-#	1		#Relief Request Number 2-H/X-2; Welds 7 and 8.

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Letdown
 MAJOR ITEM Heat Exchanger
 CATEGORY C-A, C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	Letdown Heat Exchanger	Shell-To-Flange Circumferential Welds Isometric CGE-2-1130	UT	1	1-*	1		*Relief Request Number 2-H/X-1
C1.020	Letdown Heat Exchanger	Head-To-Shell Weld Circumferential Weld Isometric CGE-2-1130	UT	1	1-*	1		

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Letdown Reheat
 MAJOR ITEM Heat Exchanger
 CATEGORY C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	Major Item	Shell-To-Flange Circumferential Weld Isometric CGE-2-1140	PT VT #	1	1-#	1		#Relief Request Number 2-H/X-3
C1.020	Major Item	Head-To-Shell Circumferential Weld Isometric CGE-2-1140	PT VT	1	1-#	1		

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MAJOR ITEM Charging Pump "A"
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.070	Major Item	Integral Welded Support Attachments (WS) CGE-2-3110	PT	4	4-100%	1		

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MAJOR ITEM CVCS
 CATEGORY C-F

ITEM NO.	COMPONENT OR (1) SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	CVCS Charging Pump "A" Piping (XPP-43A)	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2540	PT	21 #	5-100%	1		# Welds 44, 45, 46 and 47 are included in total items count
C5.012	CVCS Charging Pump "A" Piping (XPP-43A)	< .5" Thickness Longitudinal Seam Welds (LS) Isometric CGE-2-2540	PT	4	1-*	1		*2.5t - At Intersecting Circumferential Weld
C5.011	CVCS Charging Pump "A" Piping (XPP-43A)	< .5" Thickness Terminal End Piping Welds Isometric CGE-2-2540	PT	1 (**)	1-100%	1		(**) Weld 1

(1) From Pump XPP-43A To Valves LCV-115B and 8130A

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MAJOR ITEM SIS
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	SIS "A" Loop Piping Between Valve 8973A and Weld 8.	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2541	UT PT	8 #	1-*	1		# Welds 7 and 8 are included in "A" Loop Piping Total Items Count. *Relief Request Number 2-PIPE-1

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SIS Accumulator
 MAJOR ITEM Discharge Piping
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Loop "A"	Terminal End Piping Welds Isometric CGE-2-2550	UT PT	1	1--#	1		*Relief Request Number 2-PIPE-1 # Weld 7
C2.01	Loop "A"	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2550	UT PT	5	1-*	1		

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MAJOR ITEM RB Spray System
 CATEGORY C-G

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Spray System "A" Piping	Terminal End Piping Welds Isometric CGE-2-2551	UT PT	3	1--#*	1		
C2.01	Spray System "A" Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2551	UT PT	41	2-#	1		#Relief Request No. 2-PIPE-1 *Weld 1

MAJOR ITEM RB Spray System
 CATEGORY C-C

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ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Spray System "A" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2551	FT	9	9-100%	1		

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MAJOR ITEM Service Water System
 CATEGORY C-G

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Penetration 304 Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2556	UT MT	12	1-*	1		*Relief Request No. 2-PIPE-1
C2.01	Penetration 304 Piping	Terminal End Piping Welds Isometric CGE-2-2556	UT MT	2	1-*-#	1		# Weld 9 or 10; and 21 or 22.
C2.01	Penetration 305 Piping	Structural Discontinuity Circumferential Piping Welds Isometrics CGE-2-2556 CGE-2-2559	UT MT	40	2-*	1		
C2.01	Penetration 305 Piping	Terminal End Piping Welds Isometrics CGE-2-2556	UT MT	2	1-*-#	1		

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MAJOR ITEM Steam Generator "B"
 CATEGORY C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT (2)	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
Cl.010 (1)	Major Item	Structural Discontinuity Circumferential Shell Welds Isometric CGE-2-1100	UT	2	2-100%	2		
Cl.020	Major Item	Structural Discontinuity Head-To-Shell Welds Isometric CGE-2-1100	UT	1	-----	--	---	S/G "C" Examination Meets Requirements
Cl.030	Major Item	Structural Discontinuity Tube Sheet-To- Shell Weld Isometric CGE-2-1100	UT	1	-----	--	---	S/G "B" Examination (Item B2.040) Meets Requirements Reference CGE-1-3100

(1) Only welds 5 and 6 are structural discontinuities.

(2) Examinations are distributed among 3 steam generators.

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MAJOR ITEM Steam Generator "B"
 CATEGORY C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.020	Major Item	Feedwater Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	2		*Relief Request 2-S/G-1
C2.020	Major Item	Main Steam Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	2		
C2.020	Major Item	Aux. Feed Water Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	2		

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MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Main Steam System Loop "B" Piping	> .5" Thickness and > 8" Diameter Terminal End Piping Welds Isometric CGE-2-2200	UT MT	2	2-*	2		*Relief Request Number 2-PIPE-1
C5.021	Main Steam System Loop "B" Piping	> .5" Thickness and > 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2200	UT MT	7	#	--	---	# Terminal End Piping Welds Meet Requirements
C5.022	Main Steam System Loop "B" Piping	> .5" Thickness and > 8" Diameter Longitudinal Seam Welds Isometric CGE-2-2200	UT MT **	6	2-*	2		**2.5t - At Intersecting Circumferential Weld.

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MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Main Steam System Loop "B" and Common Piping	< .5" Thickness and < 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2201	MT	6	1-100%	2		

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MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Main Steam System Loop "B" Piping	> .5" Thickness and > 8" Diameter Terminal End Piping Welds Isometric CGE-2-2201	UT MT	1	1--#	2		*Relief Request Number 2-PIPE-1 # Weld 1
C5.021	Main Steam System Loop "B" and Common Piping	> .5" Thickness and > 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2201	UT MT	15	3-*	2		

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MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.022	Main Steam System Loop "B" and Common Piping	> .5" Thickness and > 8" Diameter Longitudinal Seam Welds (LS) Isometric CGE-2-2201	UT MT #	8	2-*	2		*Relief Request Number 2-PIPE-1 #2.5t - At Intersecting Circumferential Weld

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MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.031	Main Steam System Loop "B" and Common Piping	Circumferential Branch Connections (BC) Isometric CGE-2-2201	MT	8	2-100%	2		

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MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Feedwater System Loop "B" Piping	> .5" Thickness Terminal End Piping Welds Isometric CGE-2-2202	UT MT	2 **	1-*	2		*Relief Request Number 2-PIPE-1 **ISI Weld 1 Examined 1st Refueling Per I&E Bulletin 79-13R2
C5.021	Feedwater System Loop "B" Piping	> .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2202	UT MT	15	4--#	2		#Terminal End Welds and These Examinations Meet Requirements

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MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.022	Feedwater System Loop "B" Piping	> .5" Thickness Longitudinal Seam Welds Isometric CGE-2-2202	UT MT	2	1-*-#	2		*Relief Request Number 2-PIPE-1 #2.5t - At Intersecting Circumferential Weld

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MAJOR ITEM Feedwater System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "B" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2202	MT	2	#	--	---	# Examined 1st Refueling Per I & E Bulletin 79-13R2

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MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Feedwater System Loop "B" Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2203	MT	2	1	1	1	

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MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Feedwater System Loop "B" Piping	> .5" Thickness Terminal End Piping Welds Isometric CGE-2-2203	UT MT	1	1-*	2	---	*Relief Request Number 2-PIPE-1
C5.021	Feedwater System Loop "B" Piping	> .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2203	UT MT	41	10-*-#	2		#Terminal End Weld and These Examinations Meet Requirements

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MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.03-	Feedwater System Loop "B" Piping	Circumferential Branch Connections (BC) Isometric CGE-2-2203	MT	3	1-100%	2		

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MAJOR ITEM Feedwater System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "B" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2203	MT	3	3-100%	2		

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MAJOR ITEM Aux. Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Aux. Feedwater System Loop "B" Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2204	MT	3	#	--	---	# ISI Welds 1 & 2 During 1st Period Meet Requirements

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MAJOR ITEM RHR Heat Exchanger
 CATEGORY C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.020	1B RHR Heat Exchanger	Inlet and Outlet Nozzles Isometric CGE-2-1110	UT PT	2	2- Saddle Prevents Accessibility To Nozzle Weld. Examine Saddle-To-Shell Weld	2		*Relief Request Number 2-H/X-4

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MAJOR ITEM RHR Pump "B"
 CATEGORY C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.070	RHR Pump IB	Integral Welded Support Attachments (WS) Isometric CGE-2-3100	PT	3	3-100%	2		

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MAJOR ITEM RHR System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	RHR Pump "B" Inlet Piping From Loop "C"	Terminal End Piping Welds Isometric CGE-2-2501	UT PT	3	None-*	2		#Relief Request No. 2-PIPE-1 *Welds 14, 15 and 35
C2.01	RHR Pump "B" Inlet Piping From Loop "C"	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2501	UT PT	45	3-#	2		
C2.02	RHR Pump "B" Inlet Piping From Loop "C"	Longitudinal Seam Welds In Fittings (LS) Isometric CGE-2-2501	UT PT	32	2-#	2		

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MAJOR ITEM RHR System
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	RHR Pump "B" Inlet Piping From Loop "C"	Integral Welded Support Attachments (WS) Isometric CGE-2-2501	PT	11	11-100%	2		

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MAJOR ITEM RHR System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	RHR Heat Exchanger Piping "B" Train	Terminal End Piping Welds Isometric CGE-2-2523	UT PT	1	1-#-*	2		*Weld 1 #Relief Request No. 2-PIPE-1
C2.01	RHR Heat Exchanger Piping "B" Train	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2523	UT PT	75	5-#	2		
C2.02	RHR Heat Exchanger Piping "B" Train	Longitudinal Seam Welds In Fittings (LS) Isometric CGE-2-2523	UT PT	20	2-#	2		

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MAJOR ITEM RHR System
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	RHR Heat Exchanger Piping "B" Train	Integral Welded Support Attachments (WS) Isometric CGE-2-2523	PT	11	11-100%	2		

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MAJOR ITEM RHR System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	RHR Pump and Heat Exchanger Piping "B" Train	Terminal End Piping Welds Isometric CGE-2-2524	UT PT	2	2-*-*#	2		*Welds 1 and 37 #Relief Request Number 2-PIPE-1
C2.01	RHR Pump and Heat Exchanger Piping "B" Train	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2524	UT PT	34	2-#	2		
C2.02	RHR Pump and Heat Exchanger Piping "B" Train	Longitudinal Seam Welds In Fittings (LS) Isometric CGE-2-2524	UT PT	28	2-#	2		

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MAJOR ITEM MHR System
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	RHR Pump and Heat Exchanger Piping "B" Train	Integral Welded Support Attachments (WS) Isometric CGE-2-2524	PT	4	4-100%	2		

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MAJOR ITEM RHR System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(B)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	RHR "B" Train Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2525	UT PT	22	2-#	2		#Relief Request No. 2-PIPE-1 *Weld 4 or 5.
C2.01	RHR "B" Train Piping	Terminal End Piping Welds Isometric CGE-2-2525	UT PT	2	1-#-#	2		

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MAJOR ITEM RHR System
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	RHR "B" Train Piping	Integral Support Attachment Welds Isometric CGE-2-2525	PT	4	4-100%	2		

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MAJOR ITEM Excess Letdown
 CATEGORY Heat Exchanger
C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
Cl.010	Excess Letdown Heat Exchanger	Shell-To-Flange Circumferential Weld Isometric CGE-2-1150	UT	1	1-*	2		*Relief Request Number 2-H/X-1

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MAJOR ITEM Excess Letdown
 CATEGORY Heat Exchanger
 C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.010	Excess Letdown Heat Exchanger	Integral Welded Support Attachments (WS) Isometric CGE-2-1150	PT	2	100% 2	2		

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MAJOR ITEM Seal Water
 CATEGORY Heat Exchanger
 C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	Seal Water Heat Exchanger	Shell-To-Flange Circumferential Weld Isometric CGE-2-1160	PT VT	1	1-*	2		*Relief Request Number 2-H/X-3
C1.020	Seal Water Heat Exchanger	Head-To-Shell Circumferential Weld Isometric CGE-2-1160	PT VT	1	1-*	2		

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MAJOR ITEM Volume Control Tank
 CATEGORY C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.020	Volume Control Tank	Head-To-Shell Welds Isometric CGE-2-1200	UT	2	2--*	2		*Relief Request Number 2-H/X-1

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MAJOR ITEM Volume Control Tank
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.010	Volume Control Tank	Integral Welded Support Attachments (WS) Isometric CGE-2-1200	PT	1	1-100%	2		

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MAJOR ITEM Reactor Coolant Filter
 CATEGORY C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	Reactor Coolant Filter	Flange-To-Shell Circumferential Weld Isometric CGE-2-1310	PT VT	1	1-*	2		*Relief Request Number 2-H/X-3
C1.020	Reactor Coolant Filter	Head-To-Shell Circumferential Weld Isometric CGE-2-1310	PT VT	1	1-*	2		

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MAJOR ITEM Reactor Coolant Filter
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.010	Reactor Coolant Filter	Integral Welded Support Attachments (WS) Isometric CGE-2-1310	PT	4	4-100%	2		

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MAJOR ITEM Charging Pump "B"
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.070	Charging Pump "B"	Integral Welded Support Attachments (WS) Isometric CGE-2-3110	PT	4	4-100%	2		

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MAJOR ITEM CVCS
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM (1)	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	CVCS Charging Pump "B" Piping (XPP-43B)	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2540	PT	32 *	8-100%	2		*Welds 69 and 71 Included in Total Items Count
C5.012	CVCS Charging Pump "B" Piping (XPP-43B)	< .5" Thickness Longitudinal Seam Welds (LS) Isometric CGE-2-2540	PT	4	1-**	2	2	** 2.5t - At Intersecting Circumferential Weld

(1) From Weld 13 to Valves LCV-115D and 8131B.

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MAJOR ITEM SIS
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	SIS "B" Loop Piping Between Weld 9 and Valve 8973B	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2541	UT PT	15 *	1-#	2		#Welds 9 and 10 Included in Total Items Count #Relief Request Number-2-PIPE-1

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MAJOR ITEM SIS
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	TO DATE	RELIEF REQUEST AND REMARKS
C3.040	SIS "B" Loop Between Weld 9 and Valve 8973B	Integral Weld Support Attachment (WS) CGE-2-2541	PT	3	3-100%	2		

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MAJOR ITEM SIS
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Accumulator Discharge Loop "B"	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2550	UT PT	5	2-#	--		#Relief Request No. 2-PIPE-1
C2.01	Accumulator Discharge Loop "B"	Terminal End Piping Weld Isometric CGE-2-2550	UT PT	1	1-*--#	--		*Weld 14

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MAJOR ITEM RB Spray System
 CATEGORY C-G

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Spray System "B" Piping	Terminal End Piping Welds Isometric CGE-2-2552	UT PT	3	1--#	2		*Weld 1, 8 or 9
C2.01	Spray System "B" Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2552	UT PT	44	3--#			#Relief Request Number 2-PIPE-1

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MAJOR ITEM RB Spray System
CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Spray System "B" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2552	PT	6	6-100%	2		

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MAJOR ITEM Component Cooling
 CATEGORY C-G

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Component Cooling Penetration 312 Piping	Terminal End Piping Welds Isometric CGE-2-2555	UT MT	2	1-*-#	2		*Weld 9 or 10.
C2.01	Component Cooling Penetration 312 Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2555	UT MT	8	1-#	2		#Relief Request No. 2-PIPE-1

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MAJOR ITEM Service Water System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Penetration 403 Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2557	UT MT	19	1-#	2		*Weld 13 or 14
C2.01	Service Water Penetration 403 Piping	Terminal End Piping Welds Isometric CGE-2-2557	UT MT	2	1-#-*	2		#Relief Request No. 2-PIPE-1

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MAJOR ITEM Auxiliary Coolant
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Aux. Coolant Piping	< .5" Thickness Terminal End Piping Welds Isometric CGE-2-2558	MT	4	4-100%	2		
C5.011	Aux. Coolant Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2558	MT	28	4-100%-#	2		# Terminal End Piping Welds and These Examinations Meet Requirements.

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MAJOR ITEM Steam Generator "C"
 CATEGORY C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND (1) EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	Major Item	Circumferential Shell Welds Isometric CGE-2-1100	UT	--	-----	--	---	S/G "A" and "B" (Items C1.010) Meet Requirement.
C1.020	Major Item	Circumferential Head-To-Shell Weld Isometric CGE-2-1100	UT	1	1-100%	3		Examination Meets Requirement For S/G "A" and "B" Item C1.020
C1.030	Major Item	Tube-Sheet-To-Shell Weld Isometric CGE-2-1100	UT	--	-----	--	---	S/G "A" Examination (Item B2.040) Meets Requirements Reference CGE-1-3100

(1) Examinations distributed among three steam generators.

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MAJOR ITEM Steam Generator "C"
 CATEGORY C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.020	Major Item	Main Steam Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	3		*Relief Request Number 2-S/G-1
C2.020	Major Item	Feedwater Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	3		
C2.020	Major Item	Auxiliary Feedwater Nozzle Weld Isometric CGE-2-1100	UT MT	1	1-*	3		

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MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Main Steam System Loop "C" Piping	> .5" Thickness and > 8" Diameter Terminal End Piping Welds Isometric CGE-2-2300	UT MT	2	2-*	3		*Relief Request Number 2-PIPE-1
C5.021	Main Steam System Loop "C" Piping	> .5" Thickness and > 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2300	UT MT	9	1--#	3		#Terminal End Piping Welds and These Examinations Meet Requirement.
C5.022	Main Steam System Loop "C" Piping	> .5" Thickness and > 8" Diameter Longitudinal Seam Welds (LS) Isometric CGE-2-2300	UT MT **	8	2-*	3		**2.5t - At Intersecting Circumferential Weld.

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MAJOR ITEM Main Steam System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Main Steam System Loop "C" Piping	Integral Welded Support Attachments (WS) CGE-2-2300	MT	1	1-100%	3		

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MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Main Steam System Loop "C" Piping	< .5" Thickness and < 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2301	MT	5	1-100%	3		#Terminal End Piping Weld and These Examinations Meet Requirement.
C5.021	Main Steam System Loop "C" Piping	> .5" Thickness and > 8" Diameter Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2301	UT MT	17	5--#	3		*Relief Request Number 2-PIPE-1

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Main Steam System Loop "C" Piping	> .5" Thickness and < 8" Diameter Terminal End Piping Welds Isometric CGE-2-2301	UT MT	1	1-*	3		*Relief Request Number 2-PIPE-1
C5.022	Main Steam System Loop "C" Piping	> .5" Thickness and > 8" Diameter Longitudinal Seam Welds (LS) Isometric CGE-2-2301	UT MT #	10	3-*	3		#2.5t - At Intersecting Circumferential Weld

TEN YEAR EXAMINATION PROGRAM
ASME SECTION XI - Class 2

MAJOR ITEM Main Steam System
CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.031	Main Steam System Loop "C" Piping	Circumferential Branch Connection Welds (BC) Isometric CGE-2-2301	MT	8	2-100%	3		

MAJOR ITEM Main Steam System
 CATEGORY C-C

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Main Steam System Loop "C" Piping	Integral Welded Support Attachments Isometric CGE-2-2301	MT	8	8-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Feedwater System Loop "C" Piping	> .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2302	UT MT	26	6-*	3		*Relief Request Number 2-PIPE-1
C5.021	Feedwater System Loop "C" Piping	> .5" Thickness Terminal End Piping Welds Isometric CGE-2-2302	UT MT	2	1-*-#	3		#ISI Weld No. 1 Examined <u>1st</u> Refueling. Examine ISI Weld No. 27 This Exam Period.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
05.022	Feedwater System Loop "C" Piping	> .5" Thickness Longitudinal Seam Welds (LS) Isometric CGE-2-2302	UT MT	2	1--#	3		*Relief Request Number 2-PIPE-1 #2.5t - At intersecting Circumferential Weld.

TEN YEAR EXAMINATION PROGRAM
ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT #	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "C" Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2302	MT	4		--	---	#Examined 1st Refueling Outage Per I&E Bulletin 79-13R2

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Feedwater System Loop "C" and Common Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2303	MT	2	1-100%	3		*Relief Request Number 2-PIPE-1
C5.021	Feedwater System Loop "C" and Common Piping	> .5" thickness Terminal End Welds Isometric CGE-2-2303	UT MT	1	1-*	3		
C5.021	Feedwater System Loop "C" and Common Piping	> .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2303	UT MT	37	9--#	3		# Terminal End Piping Welds and These Examinations Meet Requirements.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.031	Feedwater System Loop "C" and Common Piping	Circumferential Branch Connections (BC) Isometric CGE-2-2303	MT	2	1-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "C" and Common Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2303	MT	3	3-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.021	Feedwater System Loop "C" and Common Piping	> .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2305	UT MT	9	3-*	3		*Relief Request Number 2-PIPE-1
C5.022	Feedwater System Loop "C" and Common Piping	> .5" Thickness Longitudinal Seam Welds (LS) Isometric CGE-2-2305	UT MT #	4	1-*	3		#2.5t - At Intersecting Circumferential Weld

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Feedwater System
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	Feedwater System Loop "C" and Common Piping	Integral Welded Support Attachments (WS) Isometric CGE-2-2305	MT	5	5-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Auxiliary Feedwater
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	Aux. Feedwater Loop "C" Piping	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2304	MT	4	#	3		# ISI Welds 1 and 2 During 1st Period Meets Requirements.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Charging Pump "C"
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.070	Charging Pump "C"	Integral Welded Support Attachments (WS) CGE-2-3110	PT	4	4-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM CVCS
 CATEGORY C-F

ITEM NO.	COMPONENT OR SYSTEM (1)	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C5.011	CVCS Charging Pump "C" Piping (XPP-43C)	< .5" Thickness Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2540	PT	34 *	9-100%	3		*Total Items Count Between Welds 68 and 48 to Charging Pump "C".
C5.012	CVCS Charging Pump "C" Piping (XPP-43C)	< .5" Thickness Longitudinal Seam Welds (LS) Isometric CGE-2-2540	PT #	8	2-#	3		# 2.5t - At Intersecting Circumferential Weld

(1) From Weld 26 to Valves 8130A and 8131B

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM SIS
 CATEGORY C-G

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	SIS "C" Loop	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2526	UT PT	25	2-#	3		#Relief Request Number 2-PIPE-1

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM SIS
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	SIS "C" Loop	Integral Welded Support Attachments (WS) Isometric CGE-2-2526	PT	1	1-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Boron Injection Tank
 CATEGORY C-A, C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.020	Boron Injection Tank	Head-To-Shell Circumferential Welds Isometric CGE-2-1210	UT	2	2-*	3		*Relief Request Number 2-H/X-1
C2.020	Boron Injection Tank	Nozzle-To-Vessel Welds Isometric CGE-2-1210	UT PT	2	2-**	3		**Relief Request Number 2-H/X-2

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Boron Injection Tank
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(S)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.010	Boron Injection Tank	Integral Welded Support Attachments (WS) Isometric CGE-2-1210	PT	4	4-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Boron Injection Tank
 CATEGORY C-D

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE (1) METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C4.010	Boron Injection Tank	Bolts Isometric CGE-2-1210	U ^m	16	16-100%	3		

(1) The examination may be performed in place under load or upon disassembly of the connection.

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM SIS
 CATEGORY C-G (Boron Injection)

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	SIS Boron Injection Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2542	UT PT	6	1-#	3		#Relief Request Number 2-PIPE-1
C2.01	SIS Boron Injection Piping	Terminal End Piping Welds Isometric CGE-2-2542	UT PT	2	1-*-*#	3		*Weld 1 or 5

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM SIS Acc. Discharge
 CATEGORY C-F (Loop "C")

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	SIS Acc. Discharge Loop "C" Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2550	UT PT	7	2-#	3		
C2.01	SIS Acc. Discharge Loop "C" Piping	Terminal End Piping Welds Isometric CGE-2-2550	UT PT	1	1-#-#	3		#Relief Request Number 2-PIPE-1 #Weld 23

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM SIS
 CATEGORY C-F (A&B Loops)

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	SIS "A" & "B" Loops	Terminal End Piping Welds Isometric CGE-2-2554	UT PT	2	1--#	3		*Relief Request Number 2-PIPE-1
C2.01	SIS "A" & "B" Loops	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2554	UT PT	24	2-*	3		*Weld 6 or 7

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM SIS
 CATEGORY C-C ("A" & "B" Loops)

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.040	SIS "A" & "B" Loops	Integral Support Attachment Welds Isometric CGE-2-2554	PT	1	1-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM RB Spray System
 CATEGORY C-G (Pump "A" & "B" Piping)

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Spray System Pump "A" & "B" Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2553	UT PT	50	2-*--#	3		#Relief Request No. 2-PIPE-1
C2.01	Spray System Pump "A" & "B" Piping	Terminal End Piping Welds Isometric CGE-2-2553	UT PT	2	1-*	3		Weld 1 <u>or</u> 4

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Service Water
 CATEGORY. C-F

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Penetration 102 Piping	Structural Discontinuity Circumferential Piping Welds Isometrics CGE-2-2557 CGE-2-2560	UT MT	32	1-#	3		*Weird 29 or 30
C2.01	Penetration 102 Piping	Terminal End Piping Welds Isometric CGE-2-2557	UT MT	2	1-#-*	3		#Relief Request No. 2-PIPE-1

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM RC Accumulator Tank(s)
 CATEGORY C-A, C-B

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	RC Accumulator Tank 3 Loop "C" **	Head-To-Head Circumferential Welds Isometric CGE-2-1220	UT	2	2-*	3		*Relief Request Number 2-H/X-1
C1.010	RC Accumulator Tank 3 Loop "C" **	Head-To-Shell Circumferential Welds Isometric CGE-2-1220	UT	2	2-*	3		***Accumulator Tank Loop "C" Satisfies Requirements For Tanks "A" & "B"
C2.010	RC Accumulator Tank 3 Loop "C" **	Nozzle-To Vessel Weld Isometric CGE-2-1220	UT PT #	1	1-*	3		#Relief Request Number 2-H/X-2

MAJOR ITEM RC Accumulator Tank(s)
 CATEGORY C-C

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	TO DATE	RELIEF REQUEST AND REMARKS
C3.010	RC Accumulator Tank 3 Loop "C" *	Integral Welded Support Attachments (WS) Isometric CGE-2-1220	PT	1	FT	3		* Accumulator Tank Loop "C" Satisfies Requirements For Tanks "A" and "B"

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Seal Water Return Filter
 CATEGORY C-A

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C1.010	Seal Water Return Filter	Shell-To-Flange Circumferential Weld Isometric CGE-2-1320	PT VT *	1	1-100%	3		*Relief Request Number 2-H/X-3
C1.020	Seal Water Return Filter	Head-To-Shell Circumferential Weld Isometric CGE-2-1320	PT VT *	1	1-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Seal Water Return Filter
 CATEGORY C-C

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C3.010	Seal Water Return Filter	Integral Welded Support Attachments (WS) Isometric CGE-2-1320	PT	4	4-100%	3		

TEN YEAR EXAMINATION PROGRAM
 ASME SECTION XI - Class 2

MAJOR ITEM Component Cooling
 CATEGORY C-G

ITEM NO.	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METHOD(s)	TOTAL ITEMS	EXAMINATION AMOUNT AND EXTENT	EXAM PERIOD	% TO DATE	RELIEF REQUEST AND REMARKS
C2.01	Component Cooling Penetration 330 Piping	Terminal End Piping Welds Isometric CGE-2-2555	UT MT	2	1-*-#	3		*Weld 19 or 20
C2.01	Component Cooling Penetration 330 Piping	Structural Discontinuity Circumferential Piping Welds Isometric CGE-2-2555	UT MT	10	1-*	3		#Relief Request No. 2-PIPE-1

NDE PLAN

ISI OUTAGE

FROM _____ MONTH _____ YEAR TO _____ MONTH _____ YEAR

SHEET _____ OF _____

SYSTEM OR COMPONENT	DRAWING OR ISOMETRIC	WELD OR COMPONENT NO.	CATEGORY	ITEM NO.	REQUIRED NDE METHOD(S)	DESCRIPTION OF INTERFERENCE (IF APPLICABLE)	INTERFERENCE
							MWR ETC.

PREPARED BY _____ DATE _____ APPROVED BY _____ DATE _____

REVIEWED BY _____ DATE _____

NDE SUMMARY

SHEET _____ OF _____

DRAWING OR ISOMETRIC NO.	WELD OR COMPONENT NO.	CATEGORY	ITEM NO.	INDICATIONS		NDE METHOD(S) USED	LIMITATIONS	DISPOSITION	EXAMINATION DATA SHEET AND REMARKS
				YES	NO				

PREPARED BY _____ DATE _____ APPROVED BY _____ DATE _____

REVIEWED BY _____ DATE _____

UNACCEPTABLE INDICATIONS SUMMARY

ISOMETRIC	WELD OR COMPONENT NO.	CATEGORY	ITEM NO.	INDICATIONS	NDE METHOD(S)	DISPOSITION MMR ETC	REMARKS

PREPARED BY: _____ DATE _____ APPROVED BY: _____ DATE _____

REVIEWED BY: _____ DATE _____



ISE NDE STATUS REPORT

SHEET _____ OF _____

SYSTEM OR COMPONENT	DRAWING OR ISOMETRIC	WELD OR COMPONENT NO.	CATEGORY	ITEM NO.	% COMPLETE	% REMAINING	PERIOD

PREPARED BY _____ DATE _____ APPROVED BY _____ DATE _____

REVIEWED BY _____ DATE _____

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D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
I-1300	1	BA	B1.40	UT-VT	1-RPV-2	Flange Lifting Lugs	5
1-2100	1	BB	B2.11	UT-VT	1 PRESS-4	*Geometric Design Lower Head Support Skirt	2
1-2100	4	BB	B2.11	UT-VT	1 PRESS 4	*Geometric Design Axis Pads	5

*Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-2100	8 8	B-D B-D	E3.110 E3.120	UT-VT	1-PRESS 2*	*Geometric Design Nozzle	2
1-2100	9 9	B-D B-D	B3.110 B3.120	UT-VT	1-PRESS 2*	*Geometric Design Nozzle	2
1-2100	10 10	B-D B-D	B3.110 B3.120	UT-VT	1-PRESS 2*	*Geometric Design Nozzle	2
1-2100	11 11	B-D B-D	B3.110 B3.120	UT-VT	1-PRESS 2*	*Geometric Design Nozzle	2
1-2100	12 12	B-D B-D	B3.110 B3.120	UT-VT	1-PRESS 2*	*Geometric Design Nozzle	2
1-2100	13 13	B-D B-D	B3.110 B3.120	UT-VT	1-PRESS 2*	*Geometric Design Nozzle	2
1-2100	14 14	B-D B-D	B3.110 B3.120	UT-VT	1-PRESS 2*	*Geometric Design Nozzle	2

*Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATION	LIMITED SCAN DIRECTION
1-4100	1(DM)	BF	B5.10	UT-PT-MT	1-RPV-1	Geometric Design Nozzle	5
1-4100	2	BJ	B9.11	UT-PT-MT	1-RPV-1	*Geometric Design Nozzle	5
1-4100	4	B-J	B9.11	UT-PT-MT	1-S/G-1	*Geometric Design Nozzle	5 & 2
1-4100	5(DM)	BF	B5.30	UT-PT-MT	1-SG-1	*Geometric Design Nozzle	2
1-4100	6(DM)	BF	B5.30	UT-PT-MT	1-SG-1	*Geometric Design Nozzle	5

All B9.21 Preservice were VT-UT; Now Surface (PT) is required for ISI.
 * Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4100	7	B-J	B9.11	UT-PT	1-S/G-1	*Geometric Design Nozzle	5 & 2
1-4100	8	BJ	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4100	9	BJ	B9.11	UT-PT	1-PIPE-2	Pipe To Elbow	2
1-4100	12	BJ	B9.11	UT-PT	1-PIPE-2	*Weld Contour & Bevel on Elbow	2
1-4100	13	BJ	B9.11	UT-PT	1-PIPE-2	*Weld Contour & Bevel on Pump	5
1-4100	15	B-J	B9.11	UT-PT	1-PIPE-2	*Geometric Design	5 & 2
1-4100	16(DM)	BF	B5.10	UT-PT-VT	1-RPV-1	*Geometric Design	2
1-4100	17(BC)	BJ	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4100	20(BC)	BJ	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4100	18 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	5
1-4100	19 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4100	21 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	5
1-4100	23 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4100	24 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4100	25 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	Geometric Design	2
1-4100	26 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4101	1	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Valve	5
1-4101	2	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4101	14	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4101	15	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	2
1-4101	16	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4102	7	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4102	8	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve (Weld Crown)	5
1-4102	14	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4102	18	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4102	23	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4102	24 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design (Reducer)	5 & 2
1-4102	26 (BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design (Reducer)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4103	16	B-J	B9.11	UT-PT	1-PIPE-2	*Branch Connection	2
1-4103	1	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4103	10	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4103	11	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4104	1	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4104	14	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4104	17	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4104	18	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4200	1(DM)	B-F	B5.10	UT-PT-VT	1-RPV-1	*Geometric Design Nozzle	5
1-4200	2	B-J	B9.11	UT-PT-VT	1-RPV-1	*Geometric Design Nozzle	5
1-4200	4	B-J	B9.11	UT-PT-VT	1-S/G-1	*Geometric Design Nozzle	2 & 5
1-4200	5(DM)	B-F	B5.30	UT-PT-VT	1-S/G-1	*Geometric Design Nozzle	5
1-4200	6(DM)	B-F	B5.30	UT-PT-VT	1-S/G-1	*Geometric Design Nozzle	5
1-4200	7	B-J	B9.11	UT-PT-VT	1-S/G-1	*Geometric Design Nozzle	5 & 2
1-4200	17(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4200	18(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4200	15	B-J	B9.11	UT-PT-VT	1-RPV-1	*Geometric Design Nozzle	5 & 2
1-4200	16(DM)	B-F	B5.10	UT-PT-VT	1-RPV-1	*Geometric Design Nozzle	2
1-4200	21(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design Nozzle	2
1-4200	22(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4200	23(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4201	2	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	2
1-4201	7	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4202	1	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4202	3	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4202	11	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4202	14	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4202	15	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4202	20	B-J	B9.11	UT-PT	1-PIPE-2	*Geometric Design Nozzle	2
1-4203	1	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4203	8	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4203	9	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4203	12	B-J	B9.11	UT-PT	1-PIPE-2	*Geometric Design Nozzle	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4300	1 (D.i)	B-F	B5.10	UT-PT-VT	1-RPV-1	*Geometric Design Nozzle	5
1-4300	2	B-J	B9.11	UT-PT-VT	1-RPV-1	*Geometric Design Nozzle	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4300	17(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	2
1-4300	19(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	5
1-4300	21(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4300	3	B-J	B9.11	UT-PT	1-PIPE-2	*Elbow and Bevel	2
1-4300	4	B-J	B9.11	UT-PT	1-S/G-1	*Geometric Design Nozzle	2 & 5
1-4300	5(DM)	B-F	B5.30	UT-PT-VT	1-S/G-1	*Geometric Design Nozzle	2
1-4300	6(DM)	B-F	B5.30	UT-PT-VT	1-S/G-1	*Geometric Design Nozzle	5
1-4300	7	B-J	B9.11	UT-PT	1-S/G-1	*Geometric Design Nozzle	5 & 2
1-4300	10	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4300	11	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	2
1-4300	15	B-J	B9.11	UT-PT	1-RPV-1	*Geometric Design Nozzle	2
1-4300	16(DM)	B-F	B5.10	UT-PT-VT	1-RPV-1	*Geometric Design Nozzle	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4300	18(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design (Branch Connection)	5
1-4300	23(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design (Branch Connection)	2
1-4300	24(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	Geometric Design (BC)	5
1-4301	1	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Valve	5
1-4301	4	B-J	B9.11	UT-VT	1-PIPE-2	*Hanger Lugs Pipe To Elbow	5
1-4301	5	B-J	B9.11	UT-VT	1-PIPE-2	Hanger Lugs	2
1-4301	6	B-J	B9.11	UT-VT	1-PIPE-2	Hanger Lugs	5
1-4301	8	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Valve	2
1-4301	9	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Valve	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4301	13	B-J	B9.11	UT-PT	1-PIPE-2	*Geometric Design (Branch Connection)	5
1-4302	6	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	2
1-4302	10	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4302	11	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4302	24	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4302	25(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	5
1-4302	27(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	5
1-4302	29(BC)	B-J	B9.31	UT-PT-VT	1-PIPE-1	*Geometric Design	5
1-4303	12	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	2
1-4303	13	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4303	14	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2
1-4303	15	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4303	18	B-J	B9.11	UT-PT	1-PIPE-2	*Geometric Design Branch Connection	2
1-4303	1	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4303	3	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	5
1-4304	3	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Elbow	2
1-4304	4	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	5
1-4304	5	B-J	B9.11	UT-PT	1-PIPE-2	*Pipe To Valve	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4500	1-DM	B-F	B5.20	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzles	5
1-4500	2	B-J	B9.11	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzles	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4500	13	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design Nozzle	2
1-4501	1(DM)	B-F	B5.20	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	5
1-4501	2	B-J	B9.11	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	5
1-4501	9	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4501	11	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Flange	2
1-4501	12 DM	B-F	B5.20	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	5
1-4501	13	B-J	B9.11	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4501	22	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Flange	5
1-4501	23(DM)	B-F	B5.20	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	5
1-4501	24	B-J	B9.11	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	5
1-4501	33	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Flange	2
1-4502	1(DM)	B-F	B5.20	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	5
1-4502	2	B-J	B9.11	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	5
1-4502	13	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	2
1-4502	14	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4502	15	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	2
1-4502	16	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	5
1-4502	17	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	2
1-4502	18	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Reducer)	5
1-4502	19	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	2
1-4502	20	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	5
1-4502	22	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4502	23	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design Reducer	2
1-4503	1	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design Nozzle	5
1-4503	32	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Valve	2
1-4503	33	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Valve	5
1-4503	39	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	5 & 2
1-4503	40	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design (Tee)	5
1-4503	45	B-J	B9.11	VT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	2
1-4503	46(DM)	B-F	B5.20	UT-PT-VT	1-PRESS-1	*Geometric Design Nozzle	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4504	1	B-J	B9.11	UT-VT	1-PIPE-2	*Geometric Design Nozzle	5
1-4504	2	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4504	3	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5
1-4504	4	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4504	5	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5
1-4504	6	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4504	7	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5
1-4504	8	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4504	9	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5
1-4504	10	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4504	11	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
1-4504	13	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4504	14	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5
1-4504	15	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4504	16	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5
1-4504	17	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	2
1-4504	18	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5
1-4504	20	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Elbow	5
1-4504	24	B-J	B9.11	UT-VT	1-PIPE-2	*Pipe To Valve	2
1-4504	25	B-J	B9.11	UT-VT	1-PIPE	*Pipe To Valve	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-1100	3-8 2-8 1-8	CA	C1.20	UT-MT	2-S/G-2	Geometric Design (Lugs)	5 & 2
2-1100	3-6 2-6 1-6	CA	C1.10	UT-MT	2-S/G-2	Geometric Design (Weld Pad)	5 & 2
2-1100	3-5 2-5 1-5	CA	C1.10	UT-MT	2-S/G-2	*Geometric Design (Weld Pad)	5 & 2
2-1100	1-2 2-2 3-2	CA	C1.10	UT-MT	2-S/G-2	*Geometric Design (1" Nozzle)	5 & 2
2-1100	3-11 2-11 1-11	CB	C2.20	UT-MT	2-S/G-1	*Geometric Design (Nozzle)	2
2-1100	1-9 2-9 3-9	CB	C2.20	UT-MT	2-S/G-1	*Geometric Design (Nozzle)	2
2-1100	2-10 1-10 3-10	CB	C2.20	UT-MT	2-S/G-1	*Geometric Design (Nozzle)	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-1110	1A-2	CA	C1.20	UT-PT	2-H/X-1	*Geometric Design (Flange/Weld Crown)	5 & 2
2-1110	1B-2	CA	C1.20	UT-PT	2-H/X-1	*Geometric Design (Flange/Weld Crown)	5 & 2
2-1110	1A-1	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Flange/Weld Crown)	2 & 5
2-1110	1B-1	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Flange/Weld Crown)	2 & 5
2-1110	1A-3	CB	C2.20	UT-PT	2-H/X-4	*Geometric Design (Nozzle)	
2-1110	1A-4	CB	C2.20	UT-PT	2-H/X-4	*Geometric Design (Nozzle)	
2-1110	1B-3	CB	C2.20	UT-PT	2-H/X-4	*Geometric Design (Nozzle)	
2-1110	1B-4	CB	C2.20	UT-PT	2-H/X-4	*Geometric Design (Nozzle)	

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-1120	1	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Reducer Nozzle)	2 & 5
2-1120	4	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Reducer Nozzle)	2 & 5
2-1120	9	CA	C1.20	UT-PT	2-H/X-1	*Geometric Design (Weld Crown/Cap)	2 & 5
2-1120	10	CA	C1.20	UT-PT	2-H/X-1	*Geometric Design (Weld Crown/Cap)	2 & 5
2-1120	7	CB	C2.20	UT-PT	2-H/X-2	*Geometric Design (Nozzle)	5 & 2
2-1120	8	CB	C2.20	UT-PT	2-H/X-2	*Geometric Design (Nozzle)	5 & 2
2-1120	2	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Wall Support)	2 & 5
2-1120	5	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Wall Support)	2 & 5
2-1120	3	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Weld Crown)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-1120	6	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Weld Crown)	5 & 2
2-1130	2	CA	C1.20	UT-PT	2-H/X-1	*Geometric Design (Weld Crown/Cap)	2
2-1130	1	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design (Flange)	5
2-1140	2	CA	C1.20	UT-PT	2-H/X-3	*Geometric Design (Weld Crown/Cap)	
2-1140	1	CA	C1.10	UT-PT	2-H/X-3	*Geometric Design (Weld Crown/Cap)	
2-1150	1	CA	C1.10	UT-PT	2-H/X-1	*Geometric Design Flange/Welded Support	5 & 2
2-1160	1	CA	C1.10	UT-PT	2-H/X-3	*Geometric Design Flange/Welded Crown	
2-1160	2	CA	C1.20	UT-PT	2-H/X-3	*Geometric Design (Cap/Weld Crown)	
2-1200	1	CA	C1.20	UT-PT	2-H/X-1	*Geometric Design	2 & 5
2-1200	2	CA	C1.20	UT-PT	2-H/X-1	*Geometric Design (Welded Support)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-1210	1	CA	C1.20	UT-PT	2-H/X-1	*Geometric Design	5
2-1210	2	CA	C1.20	UT-PT	2-H/X-1	Geometric Design	2
2-1210	3	CB	C2.20	UT-PT	2-H/X-2	*Geometric Design (Nozzle)	5
2-1210	4	CB	C2.20	UT-PT	2-H/X-2	*Geometric Design (Nozzle)	2
2-1220	1, 2, 3-2	CA	C1.20	UT-MT	2-H/X-1	*Geometric Design Bevel/Weld Crown	5 & 2
2-1220	1, 2, 3-3	CA	C1.20	UT-MT	2-H/X-1	*Geometric Design Bevel/Skirt Weld	5 & 2
2-1220	1, 2, 3-4	CA	C1.20	UT-MT	2-H/X-1	*Geometric Design Weld Crown	5 & 2
2-1220	1, 2, 3-5	CB	C2.20	UT-MT	2-H/X-2	*Geometric Design (Nozzle)	5
2-1310	1	CA	C1.10	UT-PT	2-H/X-3	*Geometric Design (Flange)	
2-1310	2	CA	C1.20	UT-PT	2-H/X-3	*Geometric Design (Flange)	

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-1320	1	CA	C1.10	UT-PT	2-H/X-3	*Geometric Design (Flange)	
2-1320	2	CA	C1.20	UT-PT	2-H/X-3	*Geometric Design (Cap)	
2-2100	1	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Nozzle/Weld Crown	5
2-2100	2	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Weld Crown	2
2-2100	3	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Weld Crown	5 & 2
2-2100	8	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Penetration	2
2-2101	2	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Elbow)	2
2-2101	22	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Tee/Weld Crown)	5 & 2
2-2101	24	CF	C5.21	UT-MT	2-PIPE-1	*Geometric (TEE)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2101	29	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Tee/Welded Support	2 & 5
2-2101	30	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5
2-2101	48	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Branch Connection/Weld Crown	5
2-2101	54	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Nozzle/Weld Crown	5 & 2
2-2101	56	CF	C5.11	MT	2-PIPE-1	*Geometric Design Nozzle/Weld Crown	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2101	82LS	CF	C5.22	UT-MT-VT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5 & 2
2-2101	83LS	CF	C5.22	UT-MT-VT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5 & 2
2-2101	86LS	CF	C5.22	UT-MT-VT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5 & 2
2-2101	87LS	CF	C5.22	UT-MT-VT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5 & 2
2-2101	92LS	CF	C5.22	UT-MT-VT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5 & 2
2-2101	93LS	CF	C5.22	UT-MT-VT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5 & 2
2-2101	94LS	CF	C5.22	UT-MT-VT	2-PIPE-1	*Geometric Design TEE	5 & 2
2-2101	95LS	CF	C522	UT-MT-VT	2-PIPE-1	*Geometric Design TEE	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2102	1	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Nozzle/Weld Crown	5
2-2102	5	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Elbow)	5
2-2102	7	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Elbow/Elbow)	5 & 2
2-2102	19LS	CF	C5.22	UT-MT	2-PIPE-1	*Geometric Design (Elbow)	5 & 2
2-2103	5	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Valve/Weld Crown	5
2-2103	32	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (TEE)	5
2-2103	34	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Nozzle/Weld Crown	2
2-2105	11	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5
2-2105	22	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Tee/Weld Crown	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2105	23	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Welded Support (Tee)	5
2-2105	33	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Tee Weld/Crown	5
2-2105	57LS	CF	C5.22	UT-MT	2-PIPE-1	*Geometric Design Elbow/Crown	5 & 2
2-2106	1	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Tee)	5 & 2
2-2106	3	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Tee)	2 & 5
2-2106	4	CF	C5.21	UT-MT	2-PIPE-1	Geometric Design (Pipe Cap)	2
2-2106	5	CF	C5.21	UT-MT	2-PIPE-1	Geometric Design (Tee)	5 & 2
2-2106	6	CF	C5.21	UT-MT	2-PIPE-1	Geometric Design (Elbow)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2200	9	CF	C5.21	UT-MT	1-PIPE-2	*Geometric Design (Penetration)	2 & 5
2-2201	13	CF	C5.21	UT-MT	1-PIPE-2	*Geometric Design (Valve)	5
2-2201	16	CF	C5.21	UT-MT	1-PIPE-2	*Geometric Design (TEE)	2
2-2201	30	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Pipe To Valve) Welded Support	2 & 5
2-2201	31	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Pipe To Valve)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2201	32	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Pipe To Valve) Welded Support	2
2-2201	33	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Valve & Nozzle)	2
2-2202	1	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Nozzle/Weld Crown	5
2-2202	2	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow, Drain Lines	5
2-2202	5	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Elbow)	5
2-2202	11	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Drain/Weld Crown	5
2-2203	28	CF	C5.21	UT-MT	2-PIPE-1	Geometric Design (Reduce & Valve) Weld Crown	2 & 5
2-2203	46	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Weld Crown	5
2-2203	47	CF	C5.21	UT-MT	2-PIPE-1	Geometric Design Nozzle/Weld Crown	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2300	1	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Nozzle)	5
2-2300	11	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Penetration	2
2-2301	10	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Elbow)	2 & 5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2302	1	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Nozzle/Weld Crown	5 & 2
2-2302	2	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Weld Crown	5
2-2302	3	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Welded Support	2
2-2302	4	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Welded Support	5
2-2302	15	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Weld crown	5
2-2302	27	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Penetration/Weld Crown	2
2-2303	4	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Pipe To Valve)	2
2-2303	6	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Pipe To Valve)	2
2-2303	7	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Pipe To Valve)	5
2-2303	31	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Elbow/Weld Crown	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2303	33	CF	C5.21	UT-MT	2-PIPE-1	Geometric Design Elbow/Weld Crown	2
2-2305	1	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Tee/Cap)	5 & 2
2-2305	2	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design Tee/Weld Crown	2
2-2305	3	CF	C5.21	UT-MT	2-PIPE-1	Geometric Design Tee/Weld Support	5 & 2
2-2305	4	CF	C5.21	UT-MT	2-PIPE-1	Geometric Design Tee/Weld Crown	5
2-2305	9	CF	C5.21	UT-MT	2-PIPE-1	*Geometric Design (Elbow)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2500	24	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow Concavity	5
2-2500	31	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Nozzle-Elbow)	2
2-2500	45	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	2
2-2500	51	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	5
2-2500	53	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Weld Crown	5
2-2500	54	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Weld Crown)	5 & 2
2-2500	55	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Weld Crown	5 & 2
2-2500	91LS	CF	C2.2	UT-PT	2-PIPE-2	*Geometric Design 3" Pipe Connection (Elbow)	5 & 2
2-2501	15	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Penetration	5
2-2501	18	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Concavity (Elbow)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2501	28	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow-Welded Support)	5 & 2
2-2501	29	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Concavity	5 & 2
2-2501	34	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	2
2-2501	46	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	2
2-2501	47	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee & Valve)	2
2-2501	48	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	5
2-2501	49	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	2
2-2501	50	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Pipe To Valve)	5
2-2501	51	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Tee/Welded Support	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2501	78LS	CF	C2.2	UT-PT	2-PIPE-2	*Geometric Design Elbow/Pump Nozzle	5 & 2
2-2501	79LS	CF	C2.2	UT-PT	2-PIPE-2	*Geometric Design Elbow/Pump Nozzle	5 & 2
2-2501	88LS	CF	C2.2	UT-PT	2-PIPE-2	*Geometric Design Elbow 3" Branch Connection	5 & 2
2-2520	8	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Flange)	2
2-2520	9	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Flange)	5
2-2520	20	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Concavity	5 & 2
2-2520	21	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Concavity	5 & 2
2-2520	22	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Concavity	5 & 2
2-2521	10	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Concavity	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2521	11	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Welded Support	5 & 2
2-2521	15	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5 & 2
2-2521	16	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Weld Crown	5 & 2
2-2521	23	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2521	24	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Flange/Concavity	2 & 5
2-2521	27	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Concavity	5 & 2
2-2521	28	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Weld Crown	5 & 2
2-2521	29	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Weld Crown	5 & 2
2-2521	61	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2521	63	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Valve)	2
2-2521	64	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Bevel)	2
2-2522	7	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	2
2-2522	13	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	2
2-2522	16	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	2
2-2522	42	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	2
2-2523	7	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	2
2-2523	8	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	5
2-2523	15	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2523	18	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Flange)	5
2-2523	28	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	2
2-2523	49	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow & Tee)	5 & 2
2-2523	50	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Tee)	5 & 2
2-2523	51	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	2
2-2523	52	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	5
2-2523	56	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow)	5
2-2523	83	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	5
2-2523	89	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2523	90	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Elbow/Weld Crown)	5 & 2
2-2523	93LS	CF	C2.2	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Welded Support)	5 & 2
2-2524	23	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2524	27	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Concavity-Elbow)	5 & 2
2-2524	29	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Flange)	5 & 2
2-2525	11	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5 & 2
2-2525	12	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Branch Connection)	5 & 2
2-2525	21	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	5 & 2
2-2526	5	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2526	6	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2526	7	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2526	21	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2526	22	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2540	11	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2540	23	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	2
2-2540	48	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2540	49	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	2
2-2540	50	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2540	67	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2540	68	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	2
2-2540	71	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2540	87	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Reducer)	2
2-2541	3	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2541	4	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2541	5	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2541	6	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2541	10	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2541	11	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Bleedoff Line)	5 & 2
2-2541	18	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2541	19	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Concavity)	5 & 2
2-2541	20	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (T-Fitting/Concavity)	5 & 2
2-2542	1	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Nozzle & Weld Crown)	5
2-2542	2	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Support/Weld Crown)	2
2-2542	4	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Reducer/Weld Crown)	2
2-2542	5	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Nozzle/Weld Crown)	5
2-2542	6	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	5
2-2542	7	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2542	8	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Reducer/Weld Crown)	2 & 5
2-2550	6	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow)	2
2-2550	15	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2550	16	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	2
2-2550	20	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Thickness Change)	2
2-2551	1	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Flange/Weld Crown)	5
2-2551	5	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	5
2-2551	18	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Drain Line Weld Crown)	5 & 2
2-2551	19	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2551	21	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Weld Crown)	2
2-2552	9	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design Penetration/Weld Crown	5
2-2552	13	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	5
2-2552	16	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Drain Line)	5 & 2
2-2552	17	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Reducer/Weld Crown)	5 & 2
2-2553	1	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Pump Nozzle/Weld Crown)	5
2-2553	8	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow)	2
2-2553	13	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	2
2-2553	23	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Flange/Weld Crown)	5
2-2553	26	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Weld Crown)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2553	31	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	2
2-2553	40	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Weld Crown)	2
2-2553	44	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Weld Crown)	2
2-2553	45	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	2
2-2554	1	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2554	2	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow)	2
2-2554	4	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	5
2-2554	5	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Adjacent Weld)	5 & 2
2-2554	6	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design Penetration	5 & 2
2-2554	7	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design Penetration	5 & 2

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2554	8	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Weld Crown)	5 & 2
2-2554	9	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design (Tee/Weld Crown)	2
2-2554	10	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design (Reducer/Weld Crown)	5 & 2
2-2554	11	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design (Tee/Weld Crown)	2
2-2554	12	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design (Reducer/Weld Crown)	5
2-2554	13	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2554	14	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design (Elbow)	2
2-2554	15	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design (Elbow/Weld Crown)	5
2-2554	16	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design (Elbow/Weld Crown)	2
2-2554	17	CF	C2.1	UT-PT	2-PIPE-2	Geometric Design (Elbow/Weld Crown)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2554	19	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2554	20	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	2
2-2554	21	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	5
2-2554	22	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	2
2-2554	23	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	5
2-2554	28	CF	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Reducer/Weld Crown)	2
2-2555	1	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve)	5
2-2555	2	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	2
2-2555	4	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Weld Crown)	5

* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2555	9	CG	C2.1	PT-PT	2-PIPE-2	*Geometric Design Penetration	
2-2555	12	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design Valve/Weld Crown	5 & 2
2-2555	16	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Weld Crown	2
2-2555	17	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design Elbow/Weld Crown	5
2-2555	19	CG	C2.1	PT-PT	2-PIPE-2	*Geometric Design Penetration	
2-2555	20	CG	C2.1	PT-PT	2-PIPE-2	*Geometric Design Penetration	5
2-2556	10	CG	C2.1	PT-PT	2-PIPE-2	*Geometric Design Penetration	
2-2556	11	CG	C2.1	UT-PT	2-PIPE-2	Geometric Design Penetration/Weld Crown	5
2-2556	15	CG	C2.1	UT-PT	2-PIPE-2	Geometric Design Valve/Weld Crown	5

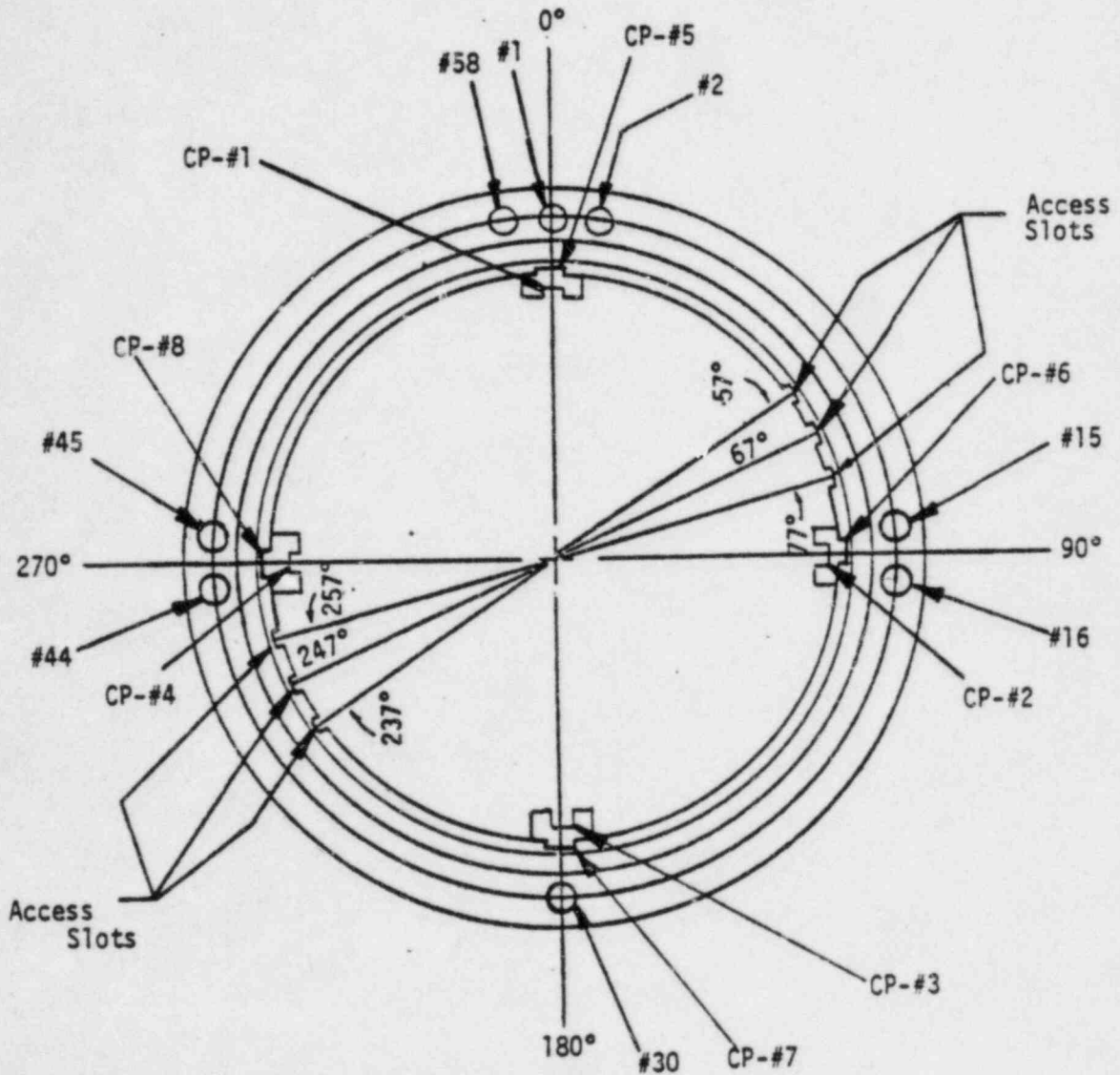
* Thickness Transition

D NO.	WELD OR COMPONENTS	CATEGORY	CODE ITEM NO.	EXAMS TO BE PERFORMED	RELIEF REQUEST NO.	PHYSICAL LIMITATIONS	LIMITED SCAN DIRECTION
2-2556	21	CG	C2.1	PT-PT	2-PIPE-2	*Geometric Design Penetration	
2-2556	28	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Tee/Weld Crown)	5
2-2556	29	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	2
2-2557	13	CG	C2.1	UT-PT-PT	2-PIPE-2	*Geometric Design Penetration	2
2-2557	14	CG	C2.1	PT-PT	2-PIPE-2	*Geometric Design Penetration	
2-2557	19	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	5
2-2557	21	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Elbow/Welded Support)	2
2-2557	37	CG	C2.1	UT-PT	2-PIPE-2	*Geometric Design (Valve/Weld Crown)	2

* Thickness Transition

ILLUSTRATIVE ONLY

REACTOR VESSEL CLAD PATCH IDENTIFICATION



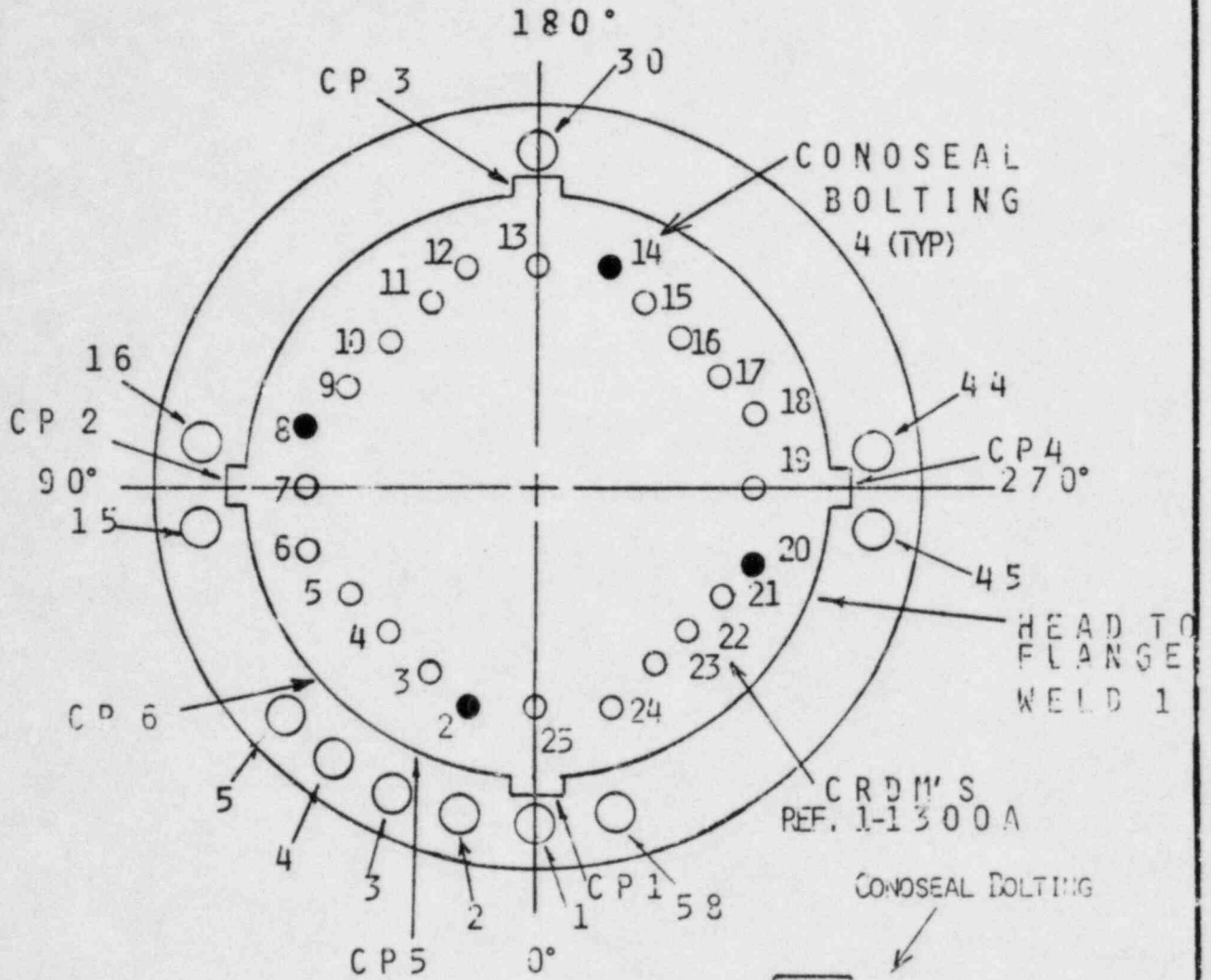
Access Slots: 57°, 67°, 77°, 237°, 247° & 257°
 Core Support Lugs and Keyways: 0°, 90°, 180° & 270°

- CP-#1 - Above core support at 0°
- CP-#2 - Above core support at 90°
- CP-#3 - Above core support at 180°
- CP-#4 - Above core support at 270°
- CP-#5 - Below Keyway at 0°
- CP-#6 - Below Keyway at 90°
- CP-#7 - Below Keyway at 180°
- CP-#8 - Below Keyway at 270°

ILLUSTRATIVE ONLY

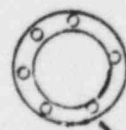
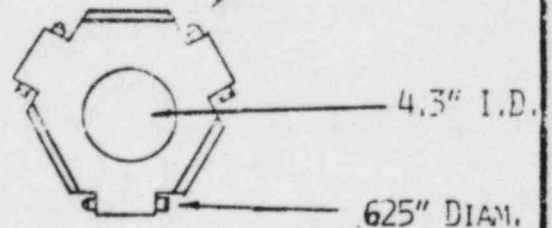
CGE-1-1300

REACTOR VESSEL CLOSURE HEAD



MATERIAL: HEAD TO FLANGE WELD 1
 7" T SA 508 CL 2 C.S.
 DIAMETER: 161.18"
 CIRCUMFERENCE: 506.12"

Marmon
 Clamp



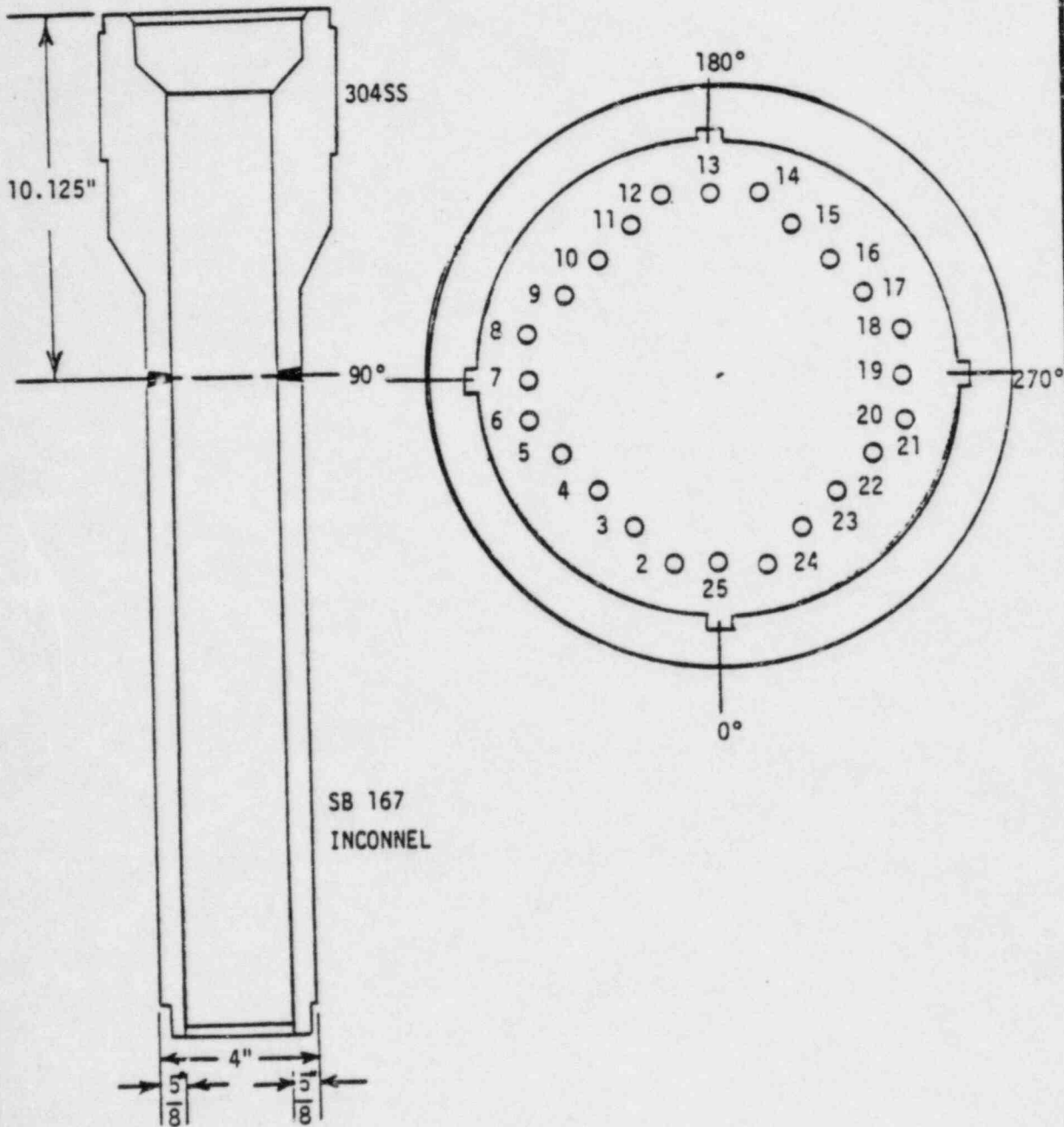
JACKING SCREW:
 6" SCREWS .250" DIAM.

ILLUSTRATIVE ONLY

CGE-1-1300A

CRDM HOUSING WELDS

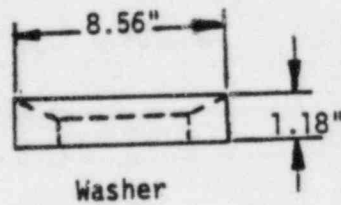
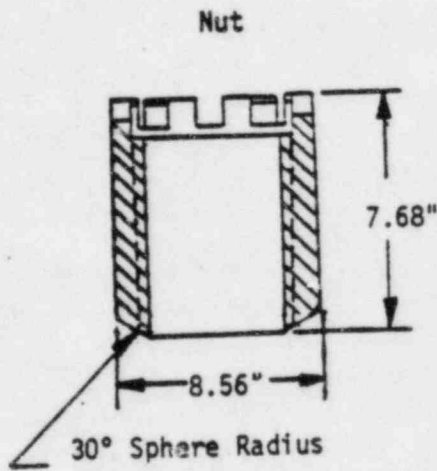
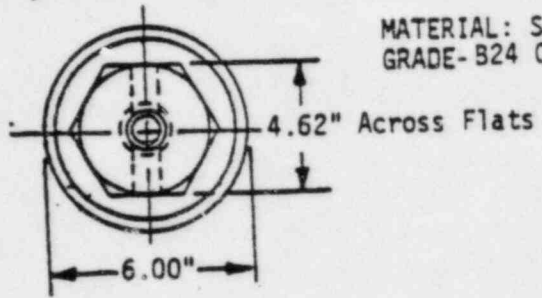
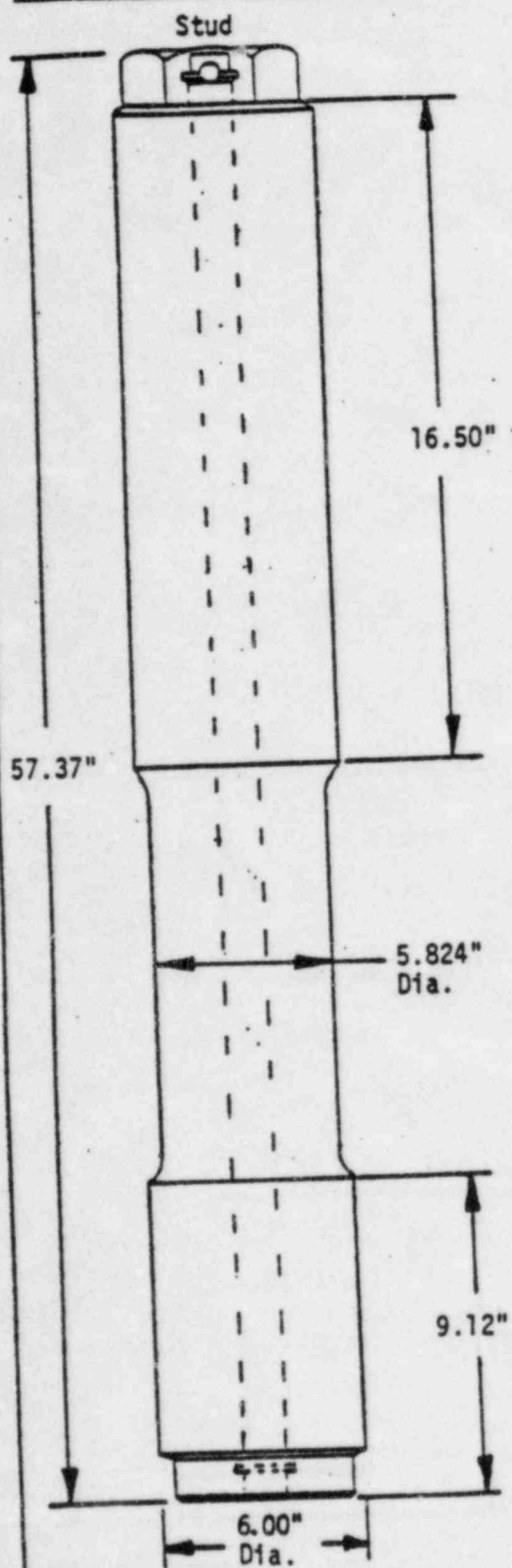
FORM 4644



ILLUSTRATIVE ONLY

REACTOR VESSEL STUDS, NUTS AND WASHERS

MATERIAL: SA540
GRADE-B24 Class-3

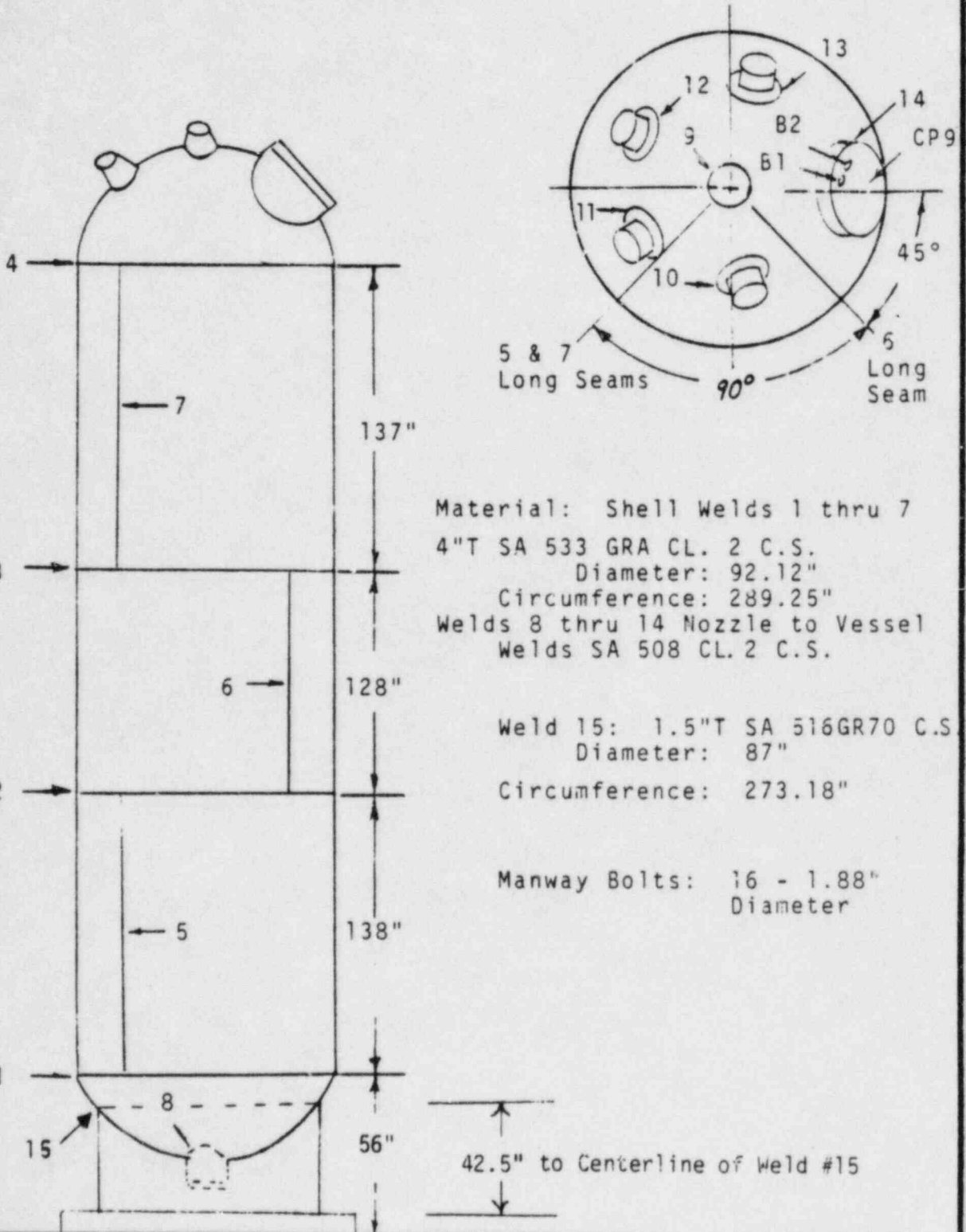


- 58 Studs
- 58 Nuts
- 58 Washers

ILLUSTRATIVE ONLY

CGE-1-2100

PRESSURIZER



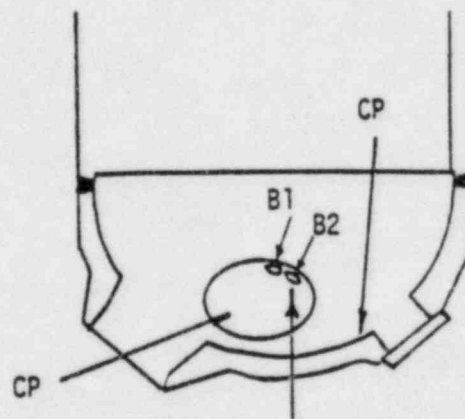
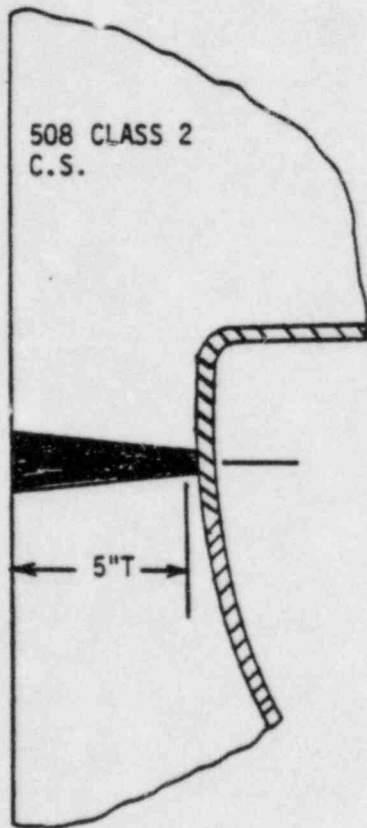
FORM 464-

STEAM GENERATORS

FORM 45446

NOTE:

- WELD 1-1 -- LOOP #1
- WELD 2-1 -- LOOP #2
- WELD 3-1 -- LOOP #3



Bolting (Typ)
MANWAY (2 EACH) 16 BOLTS
1.88" IN DIAMETER

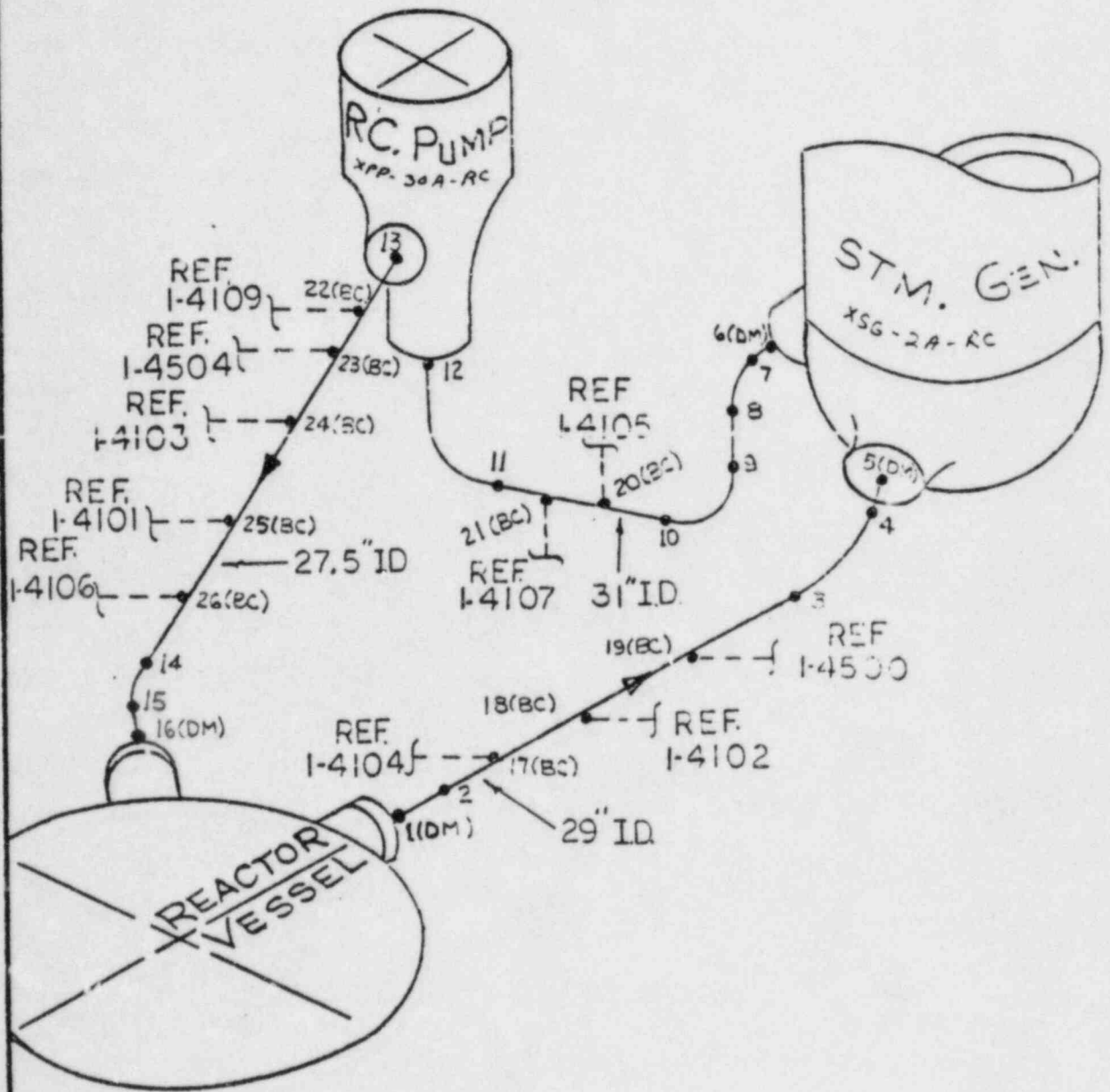
<u>S.G.</u>	<u>Manway</u>	<u>Bolting</u>	<u>CP#</u>
1	Hotside	1-B1 thru 1-B16	CP 1
1	Coldside	1-B17 thru 1-B32	CP 2
2	Hotside	2-B1 thru 2-B15	CP 3
2	Coldside	2-B17 thru 2-B32	CP 4
3	Hotside	3-B1 thru 3-B16	CP 5
3	Coldside	3-B17 thru 3-B32	CP 6

LOOP-#1 R.C. PIPE

CGE-1-4100

DE-RC-06A

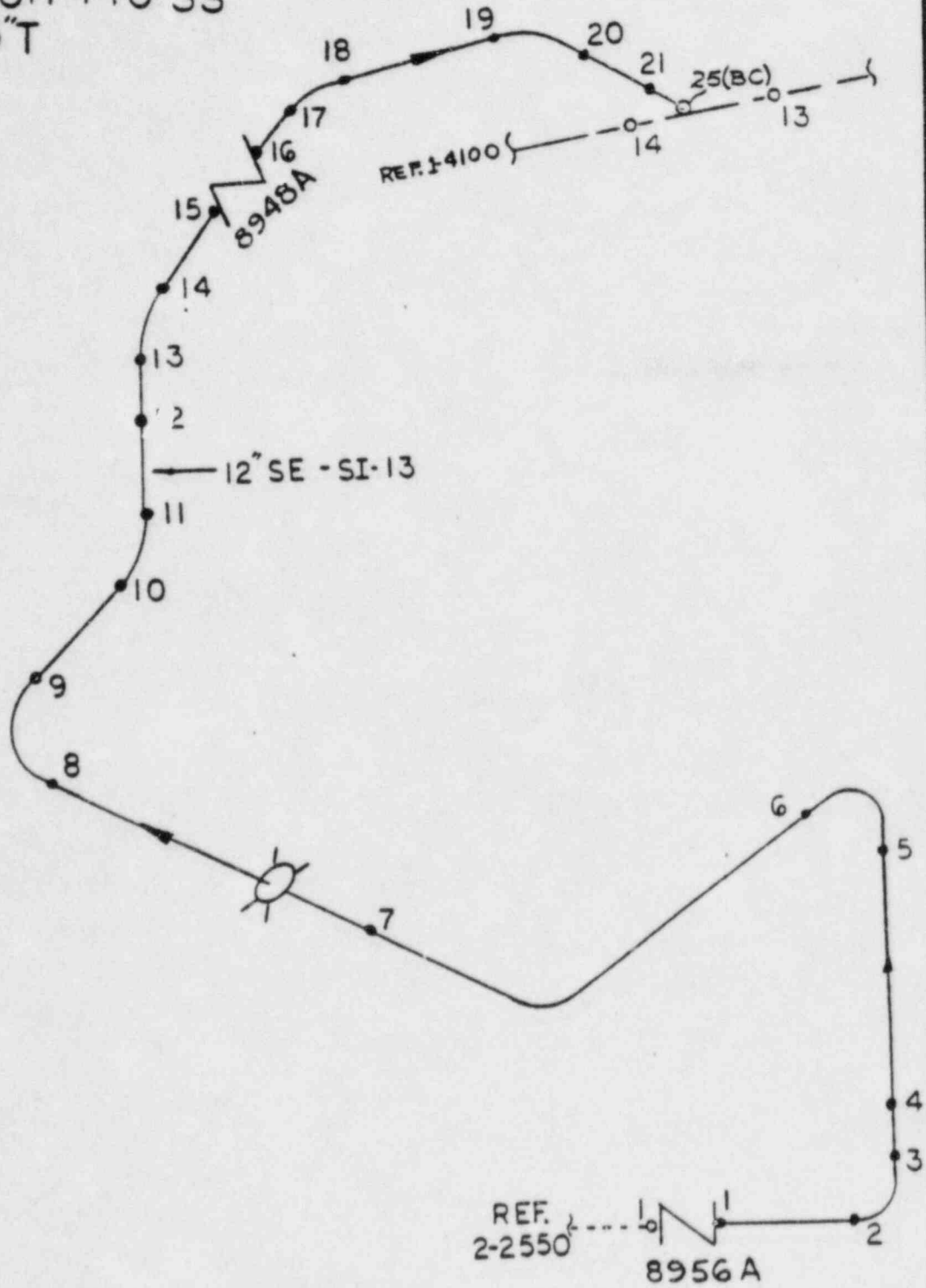
FORM 4844B



12" ACCUMULATOR DISCHARGE (C.L.) CGE-1-4101

12" SCH-140 SS
1.125" T

FORM 4844

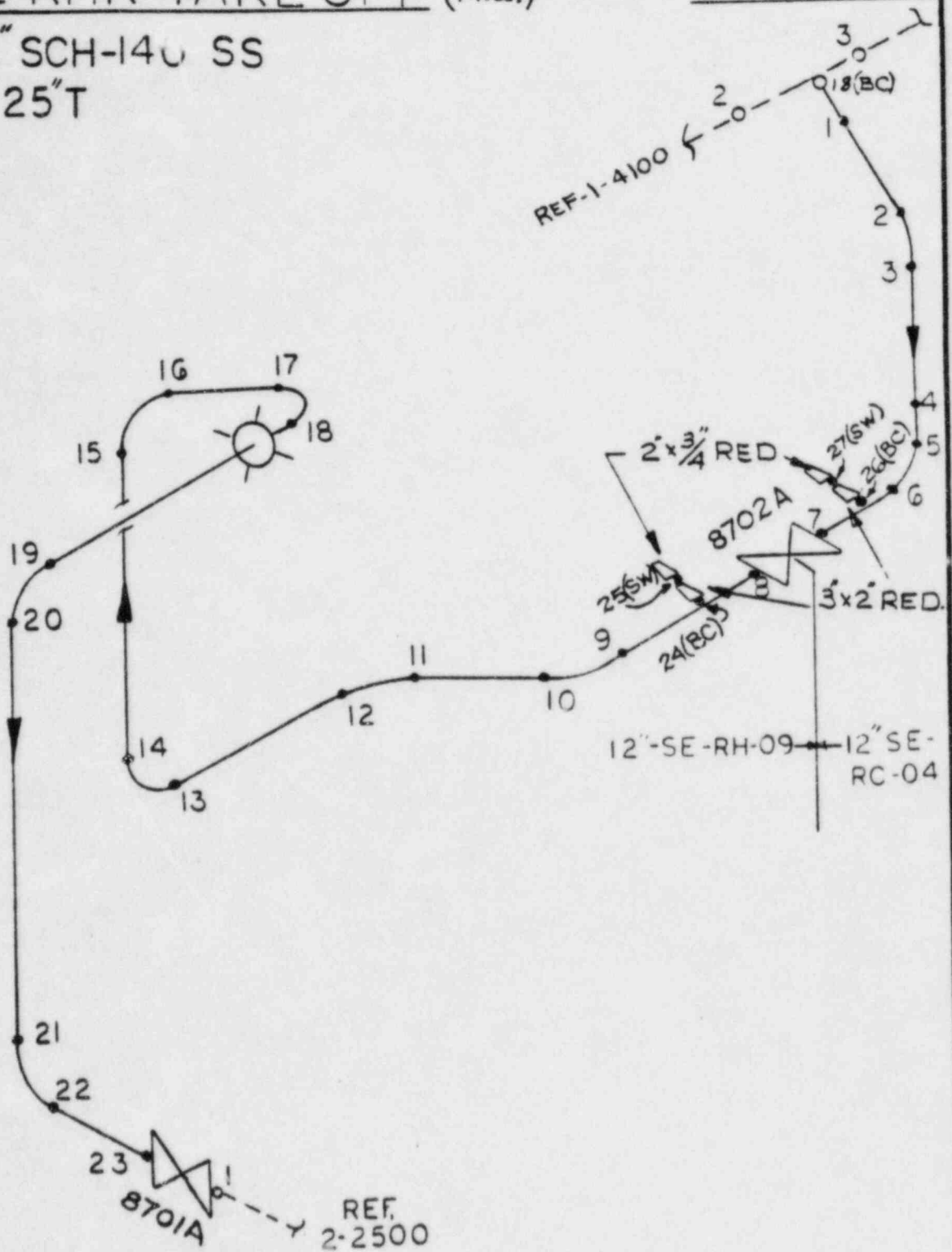


12" RHR TAKE-OFF (H.L.)

CGE-1-4102

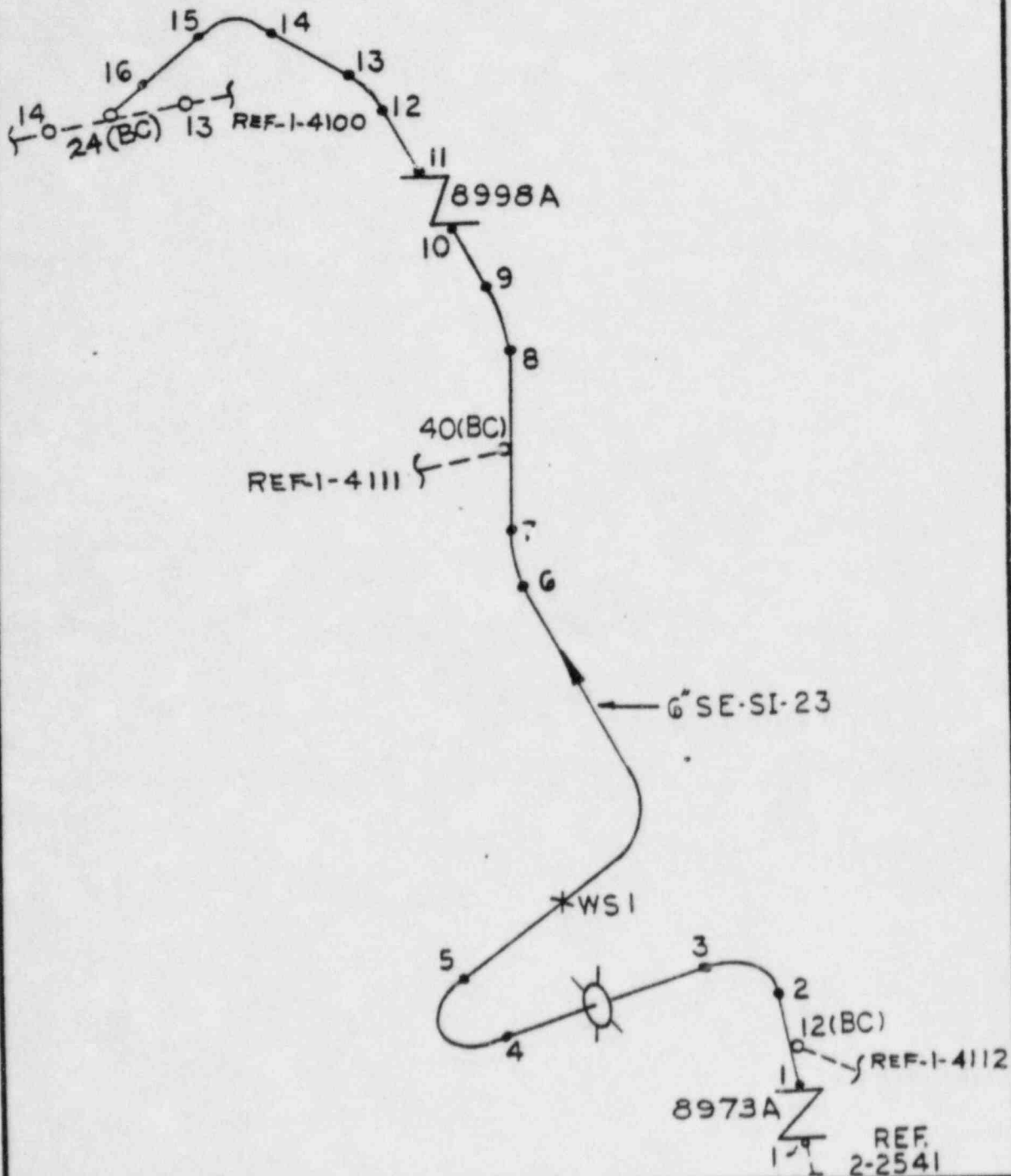
12" SCH-140 SS
1.125" T

FORM 464



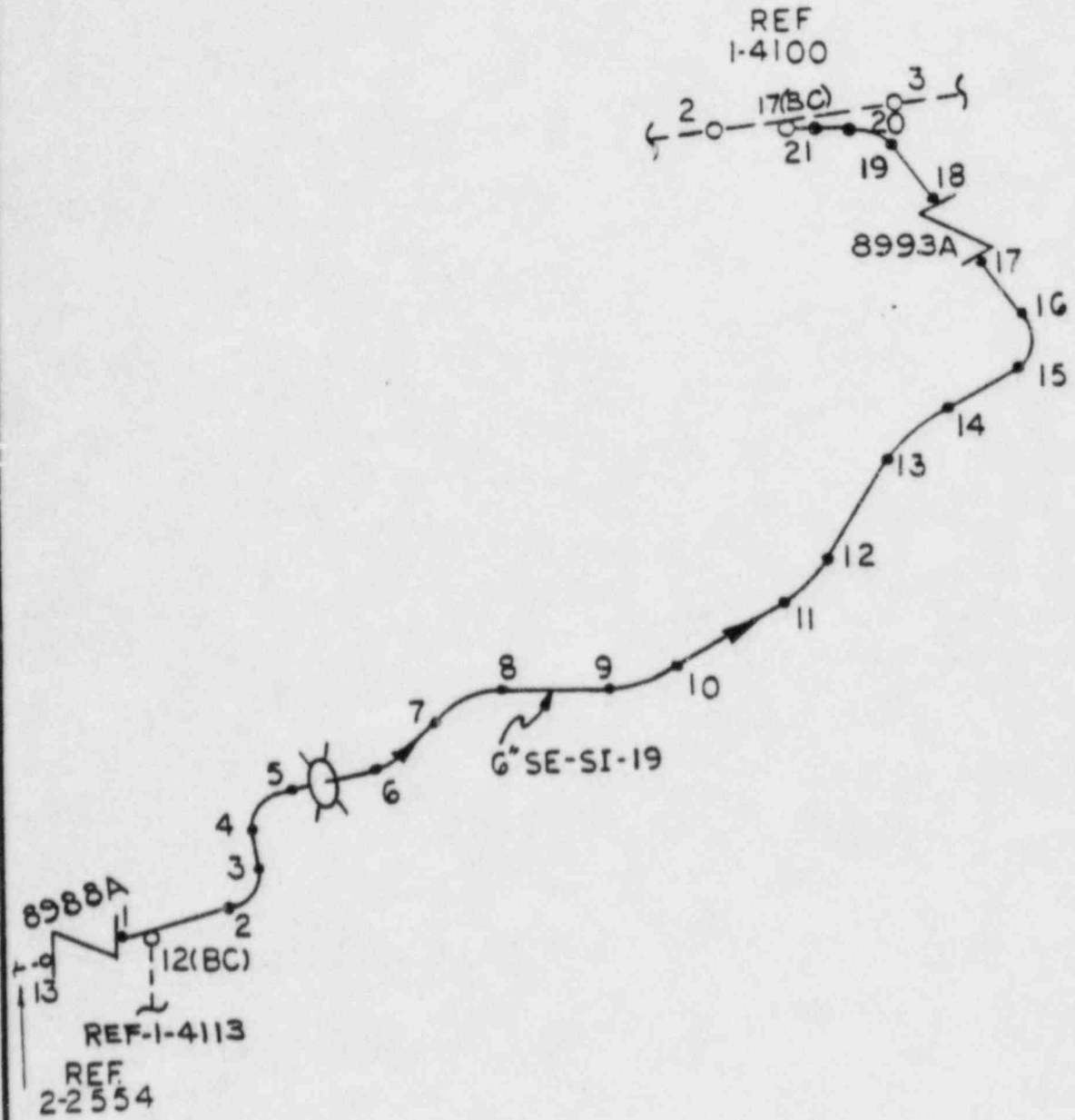
6" SIS (C.L.)
6" SCH-160 SS
.719" T

FORM 4844B



6" SIS (H.L.)
6" SCH-160 SS
.719" T

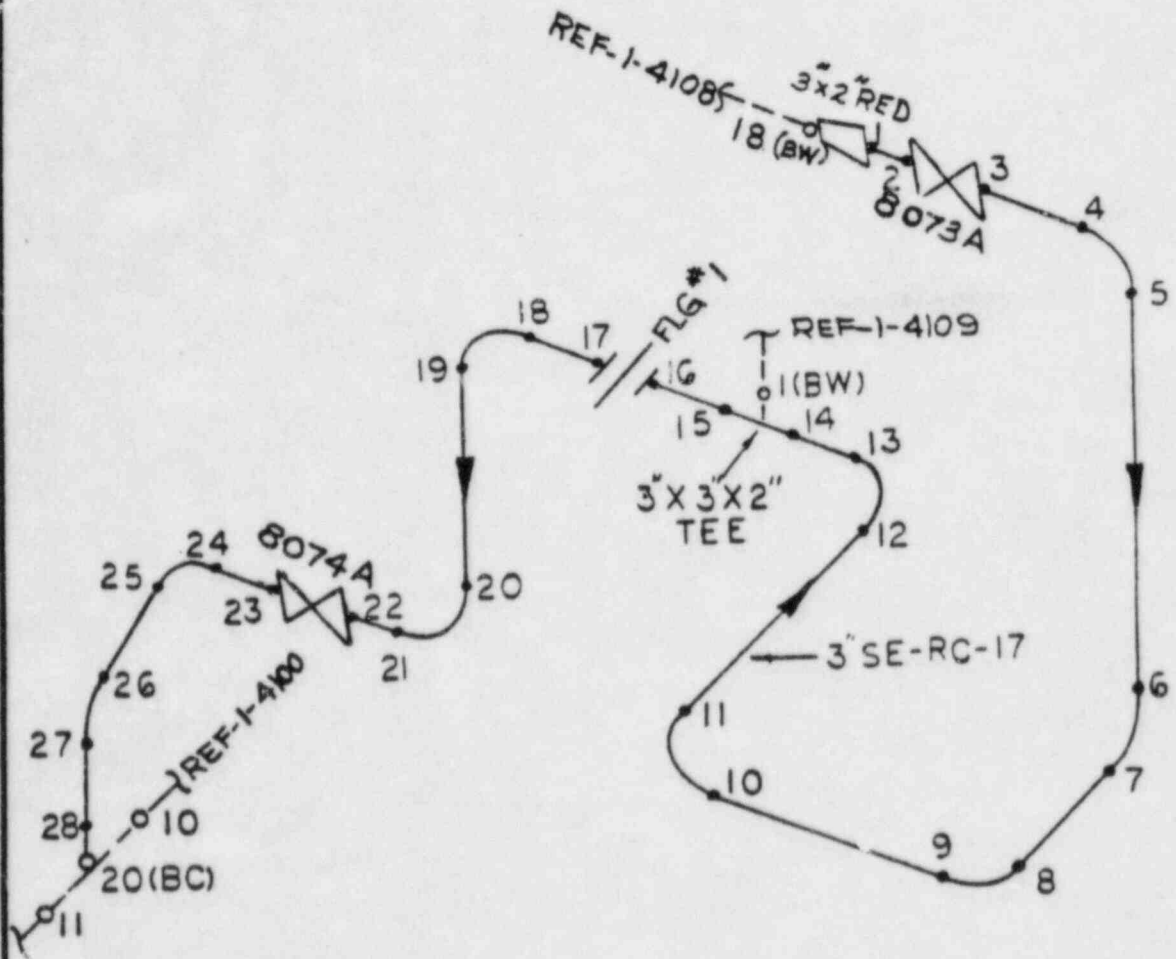
FORM 4844B



CGE-1-4105

3" RTD. RETURN
3" SCH-160 SS
.438" T

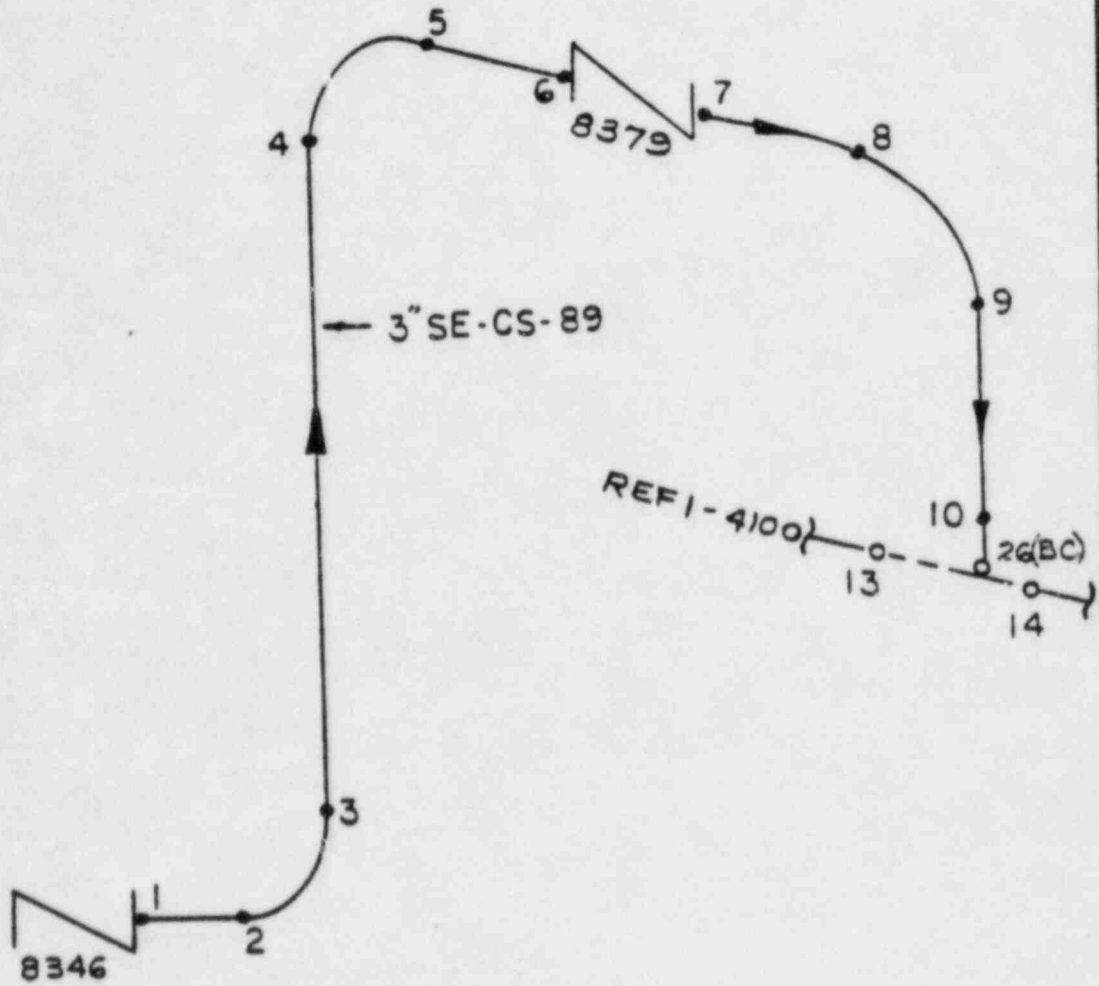
FORM 484M



3"-ALTERNATE CHARGING

3" SCH-160 SS
.438" T

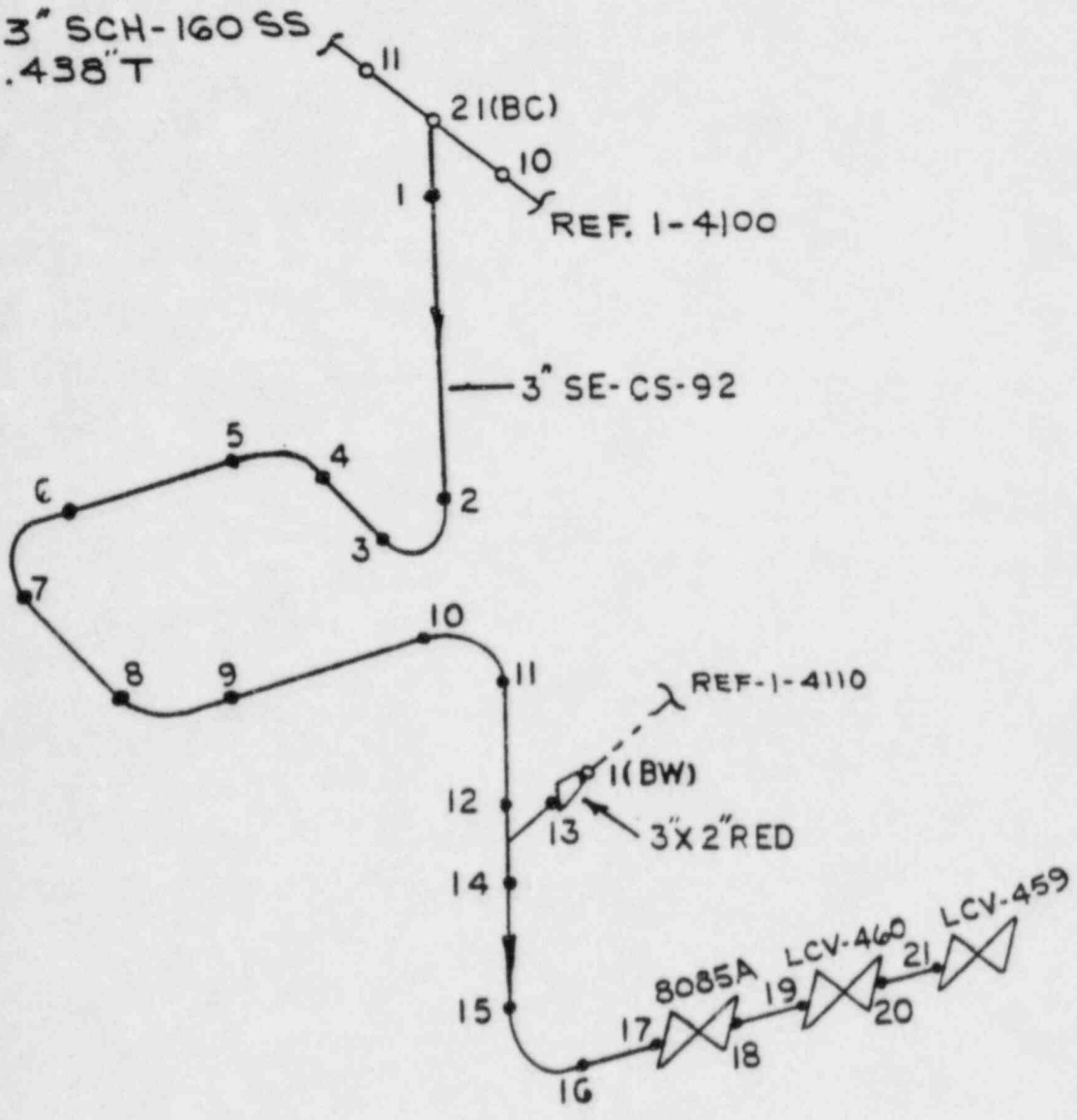
FORM 484M



FORM 4844E

3" LETDOWN

3" SCH-160 SS
.438" T

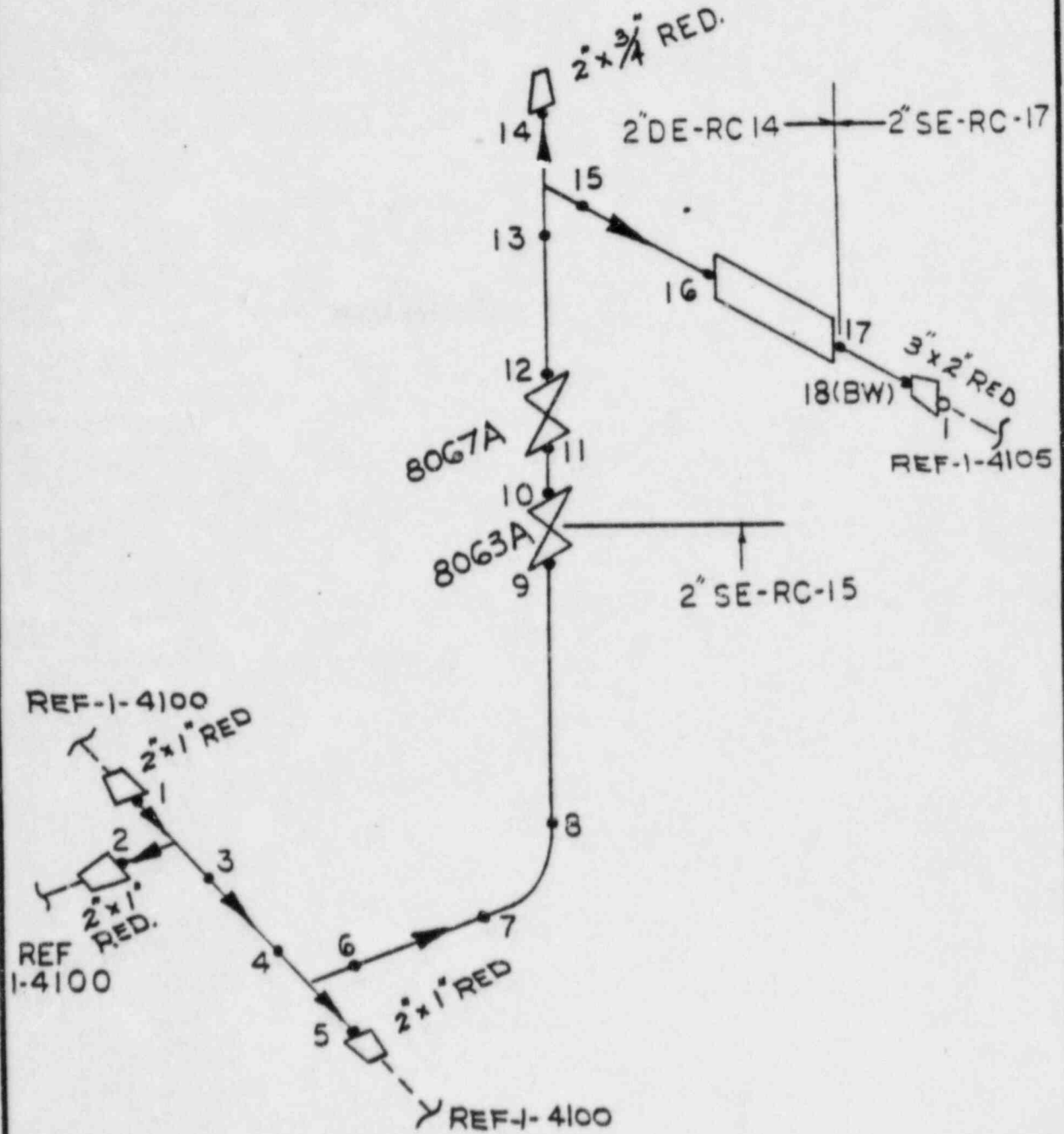


CGE-1-4108

2" RTD TAKE-OFF

2" SCH-160 SS
.344" T

FORM 4844L

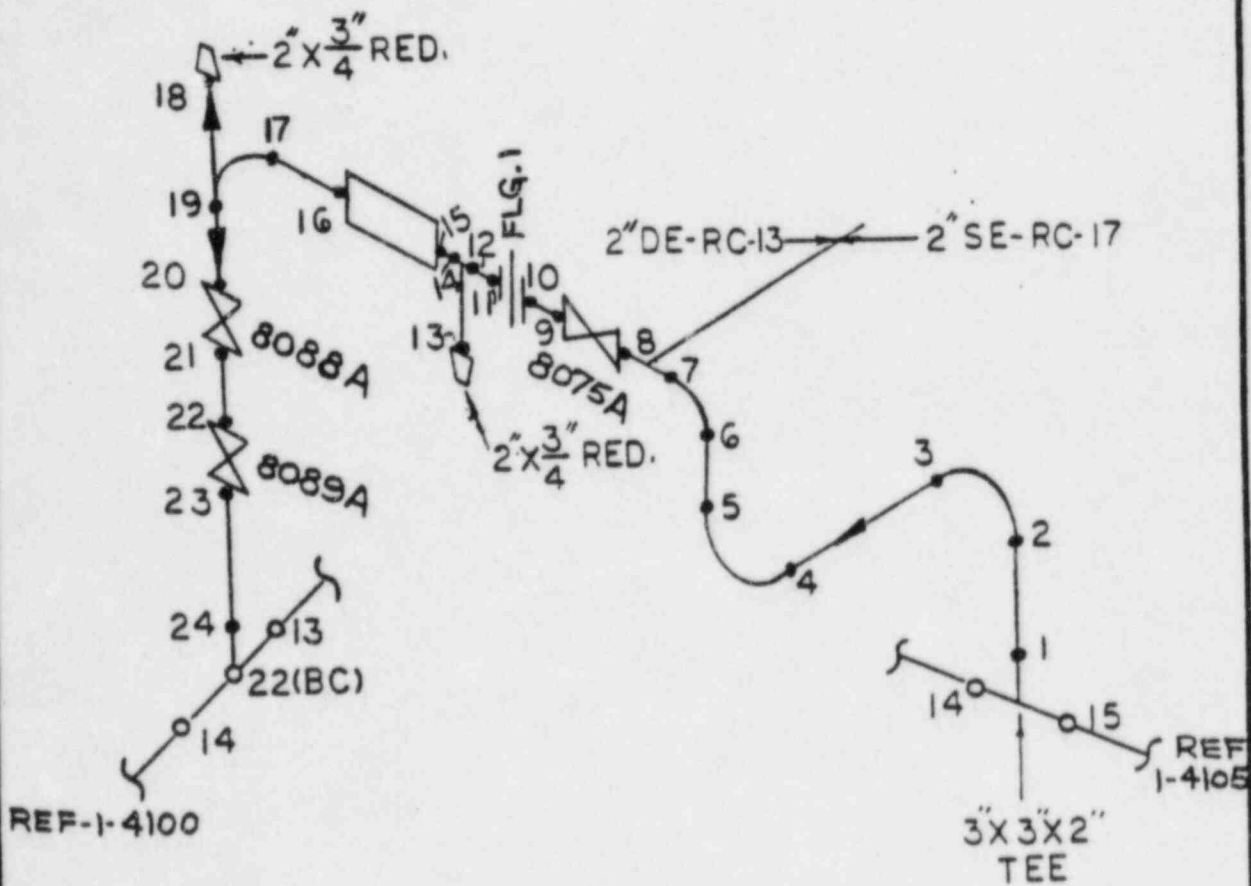


2" TAKE-OFF (C.L.)

CGE-1-4109

2" SCH-160 SS
.344" T

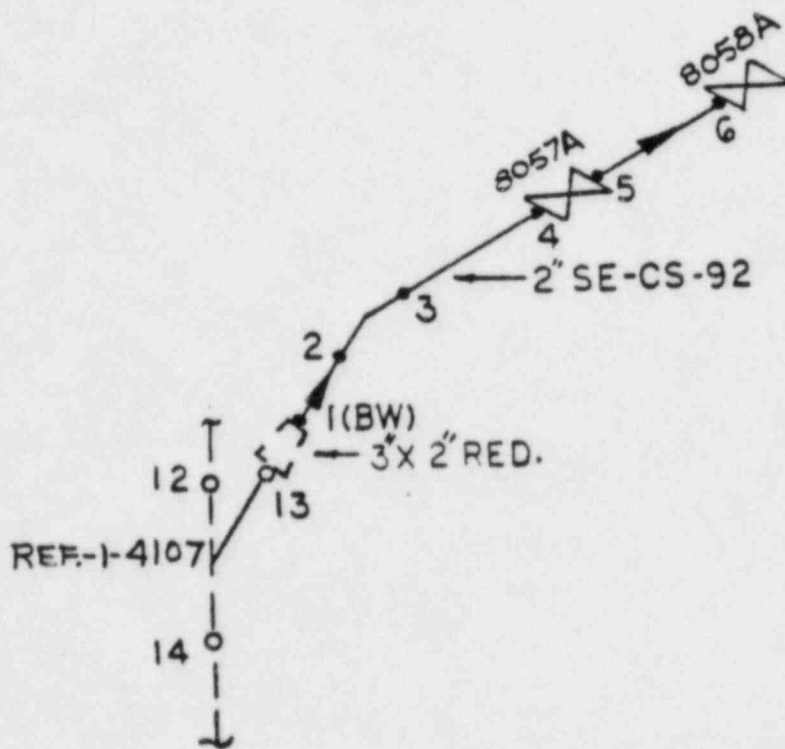
FORM 48448



CGE-1-4110

2" DRAIN LINE
2" SCH-160 SS
.344" T

FORM 4844B

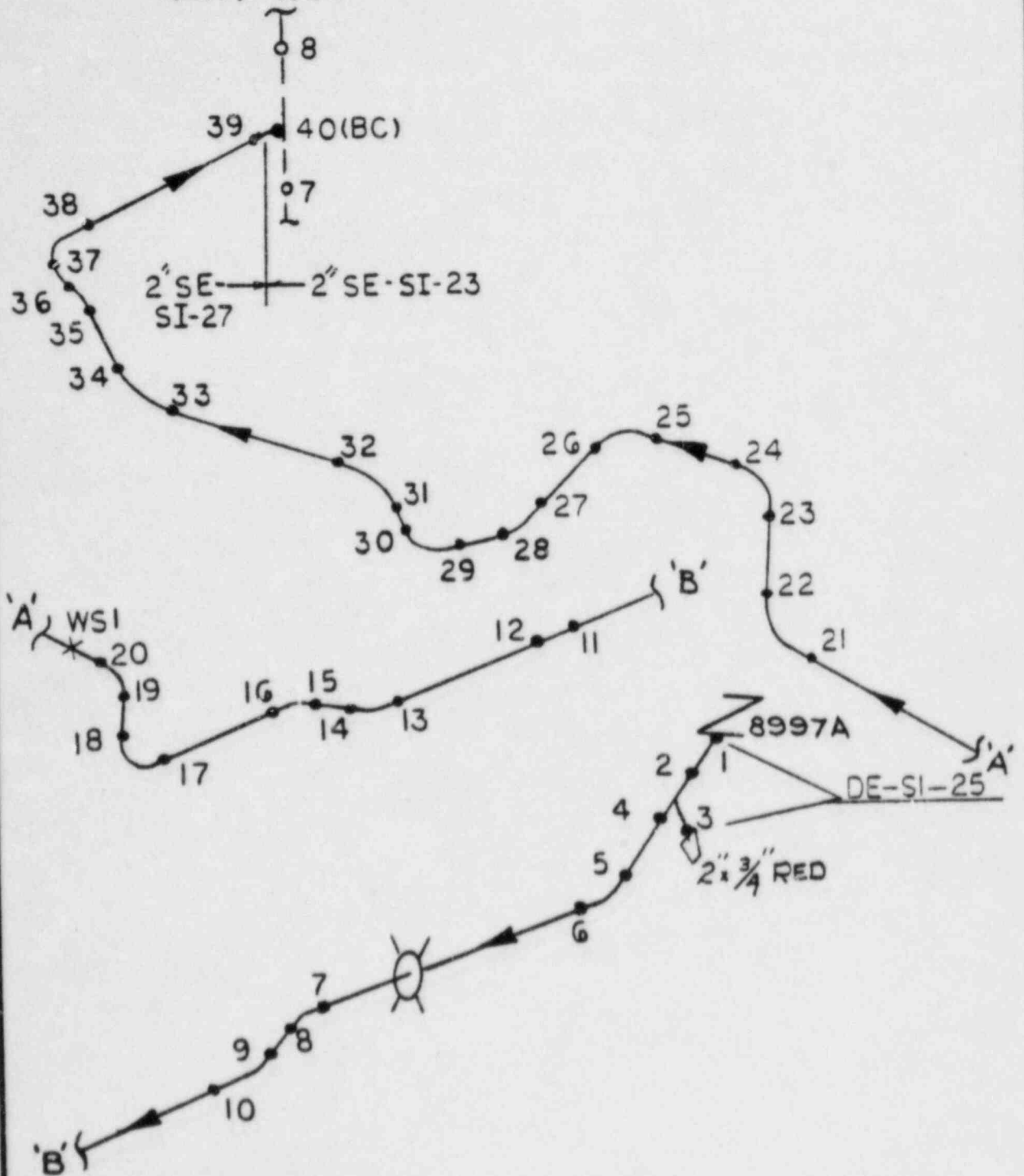


2" HIGH HEAD SIS (C.L.)

2" SCH-160 SS

.344" T

REF. 1-4103



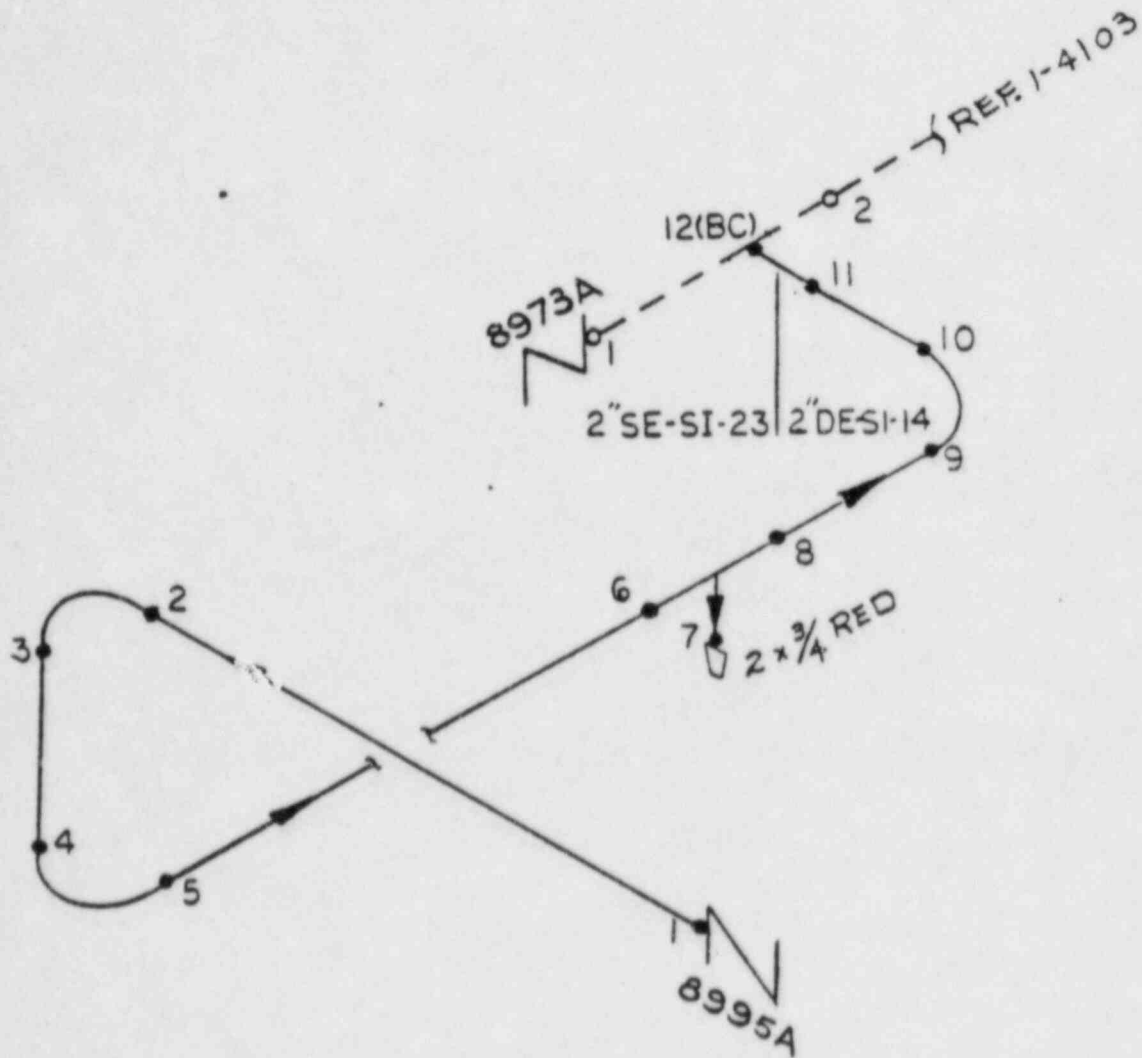
FORM 4647

FORM 48446

2" HIGH HEAD SIS (C.L.)

CGE-1-4112

2" SCH-160 SS
.344" T

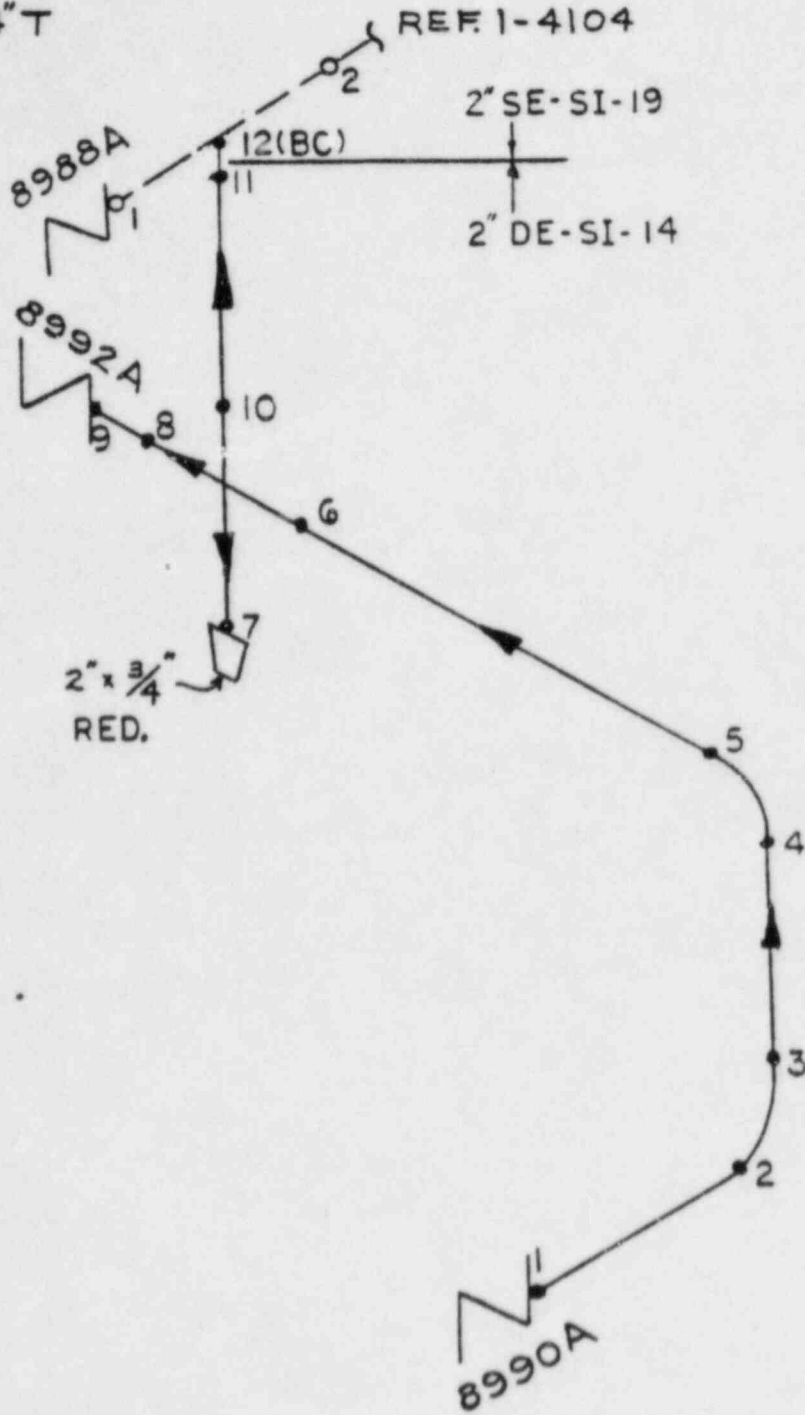


CGE-1-4113

2" HIGH HEAD SIS (H.L.)

2" SCH-160 SS
.344" T

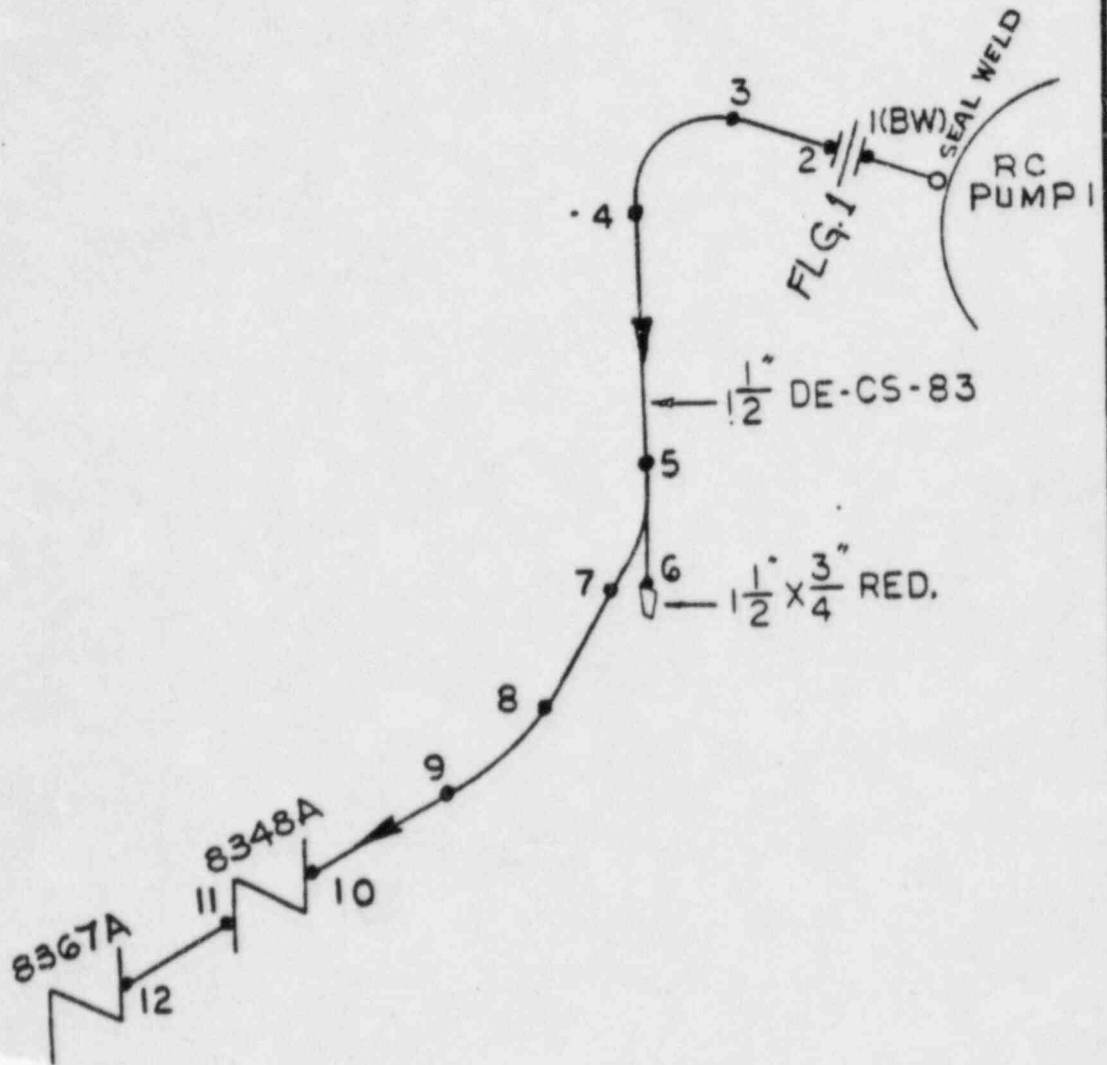
FORM 48446



CGE-1-4114

1/2" SEAL INJECTION
1/2" SCH-160 SS
.281" T

FORM 48446

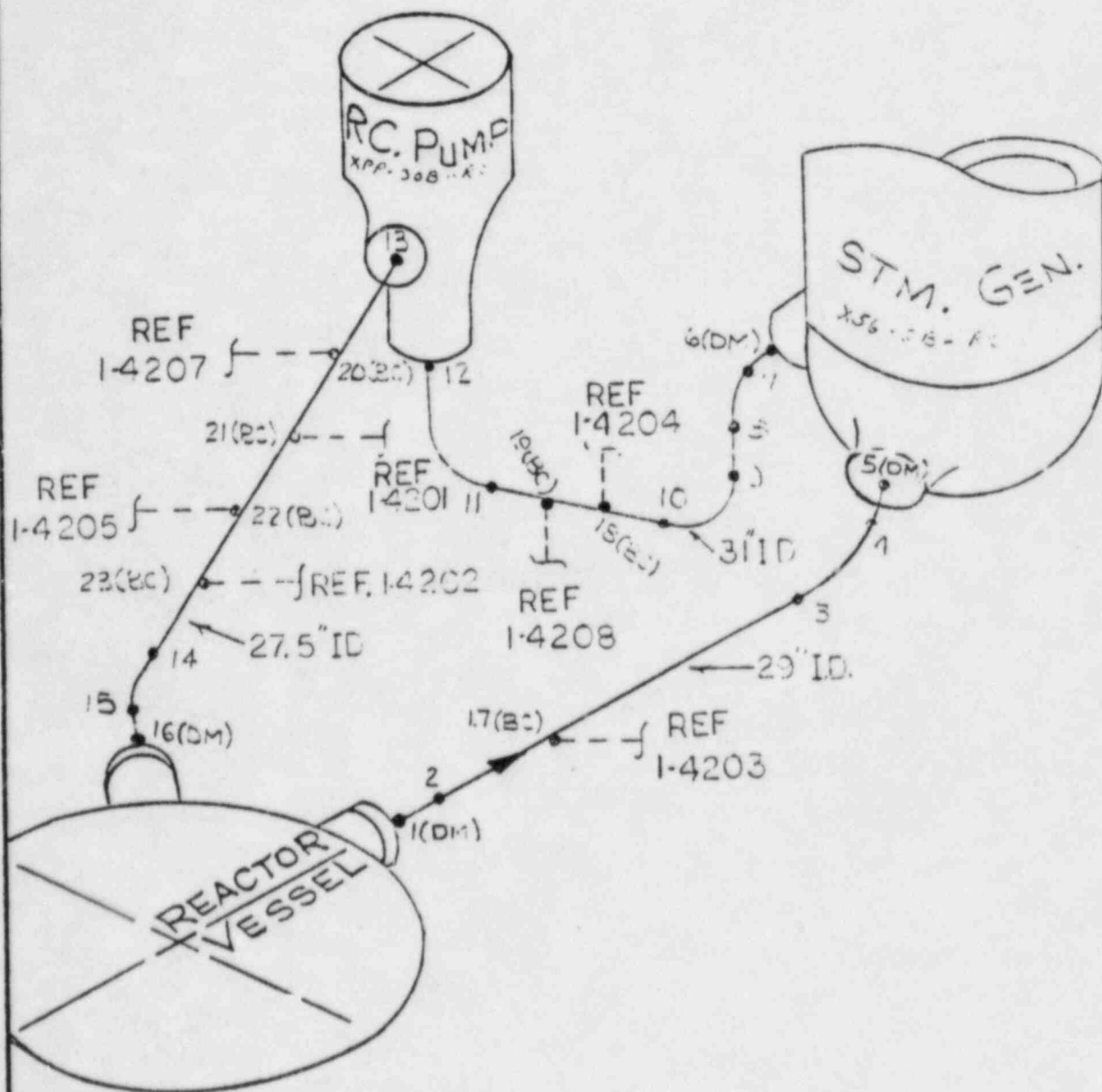


LOOP-#2 R.C. PIPE

CGE-1-4200

DE-RC-06B

FORM 4644B



WESTINGHOUSE ELECTRIC CORPORATION

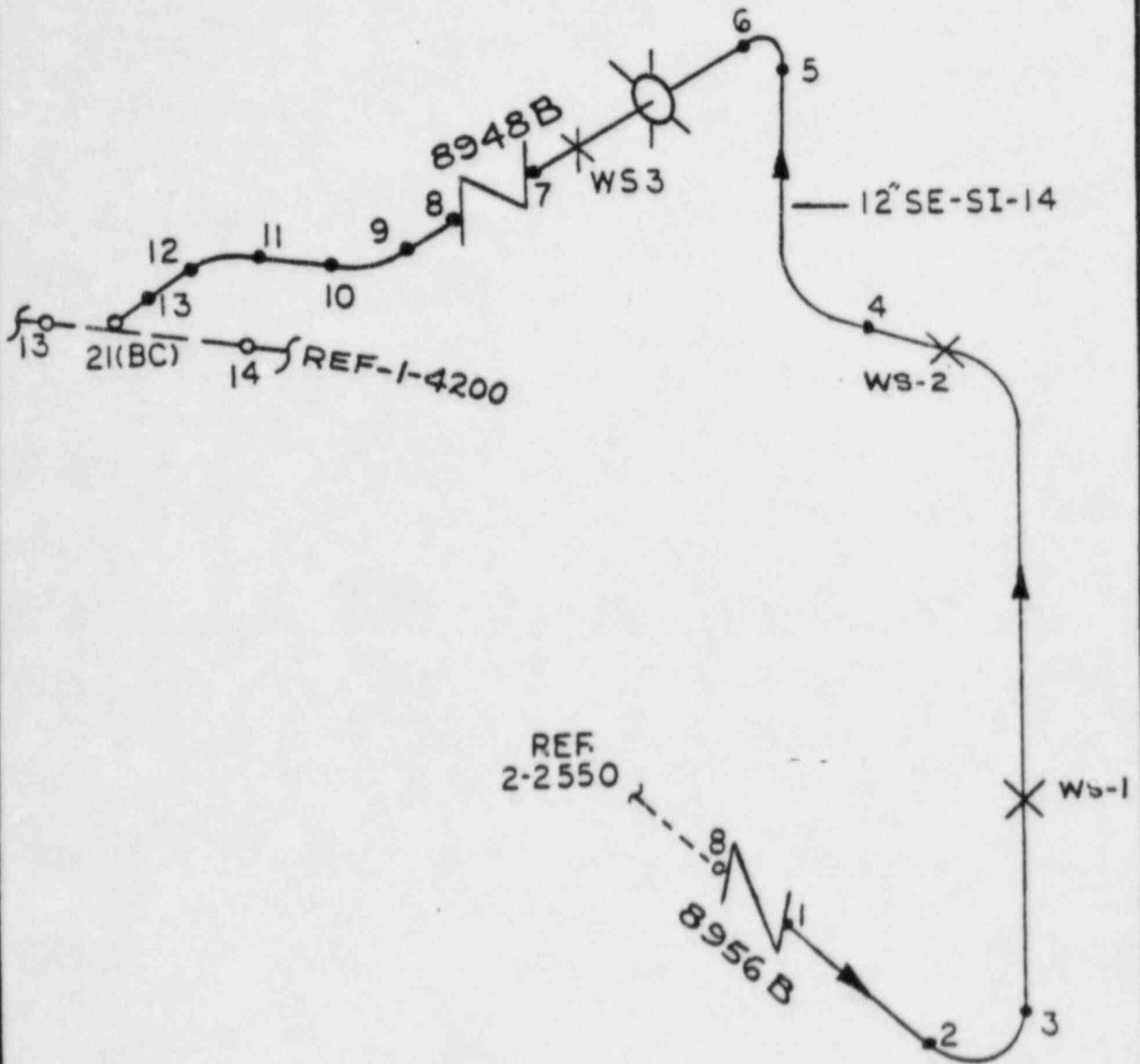
FORM 48446

12" ACC. DISCHARGE (C.L.)

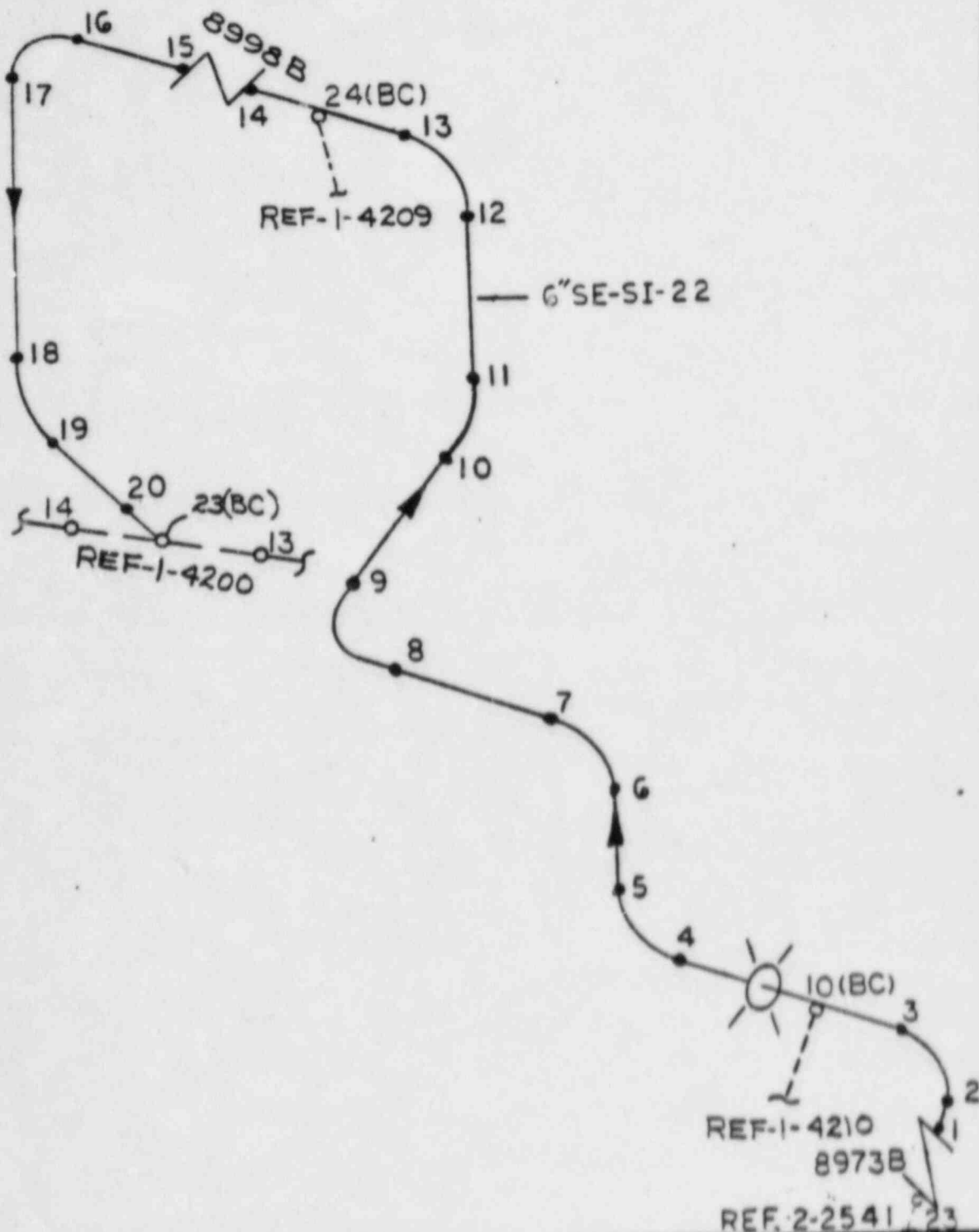
CGE-1-4201

12" SCH-140 SS

1.125" T



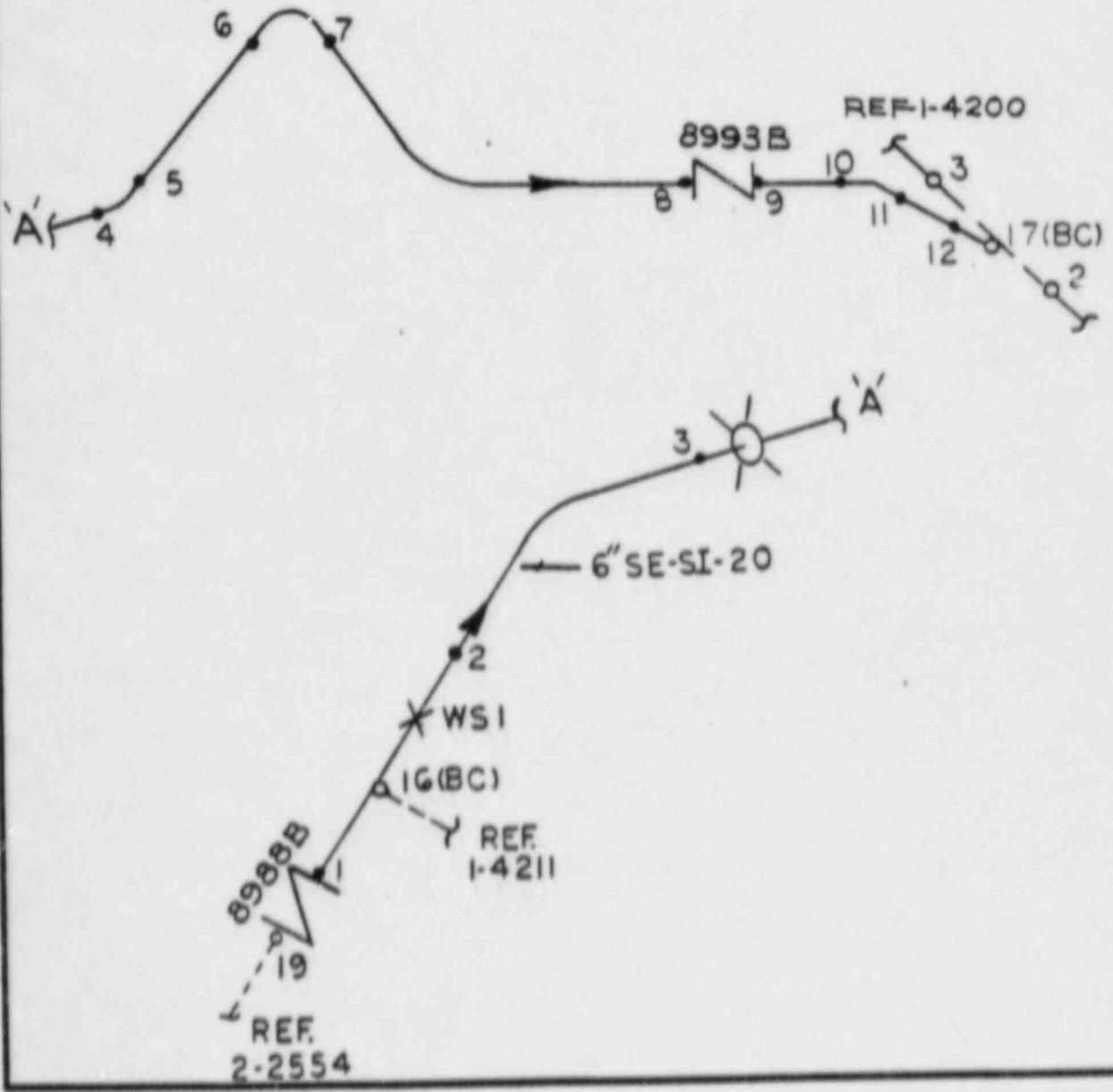
6" SIS (C.L.)
6" SCH-160 SS
.719" T



FORM 46446

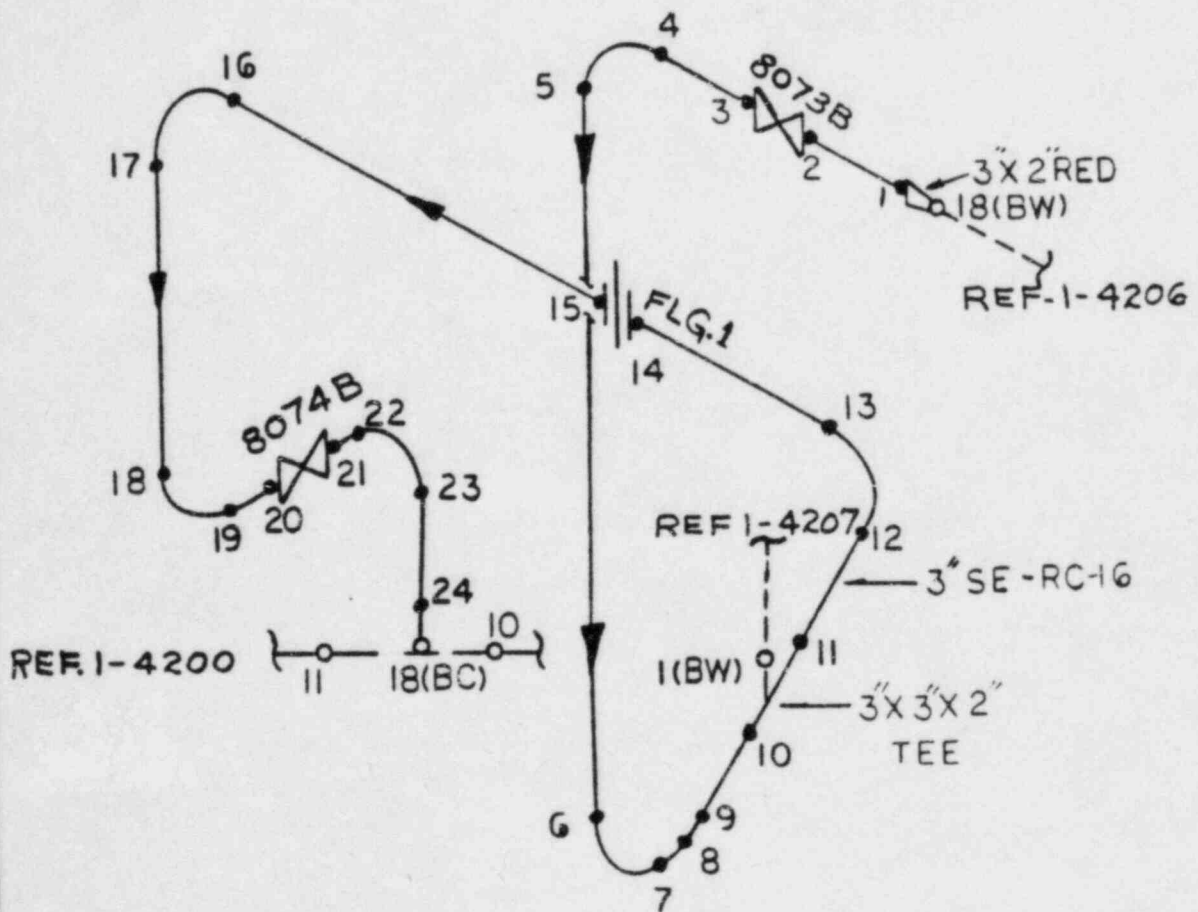
6" SIS (H.L.)
6" SCH-160 SS
.719" T

FORM 4844B



3" RTD RETURN
3" SCH-160 SS
.438" T

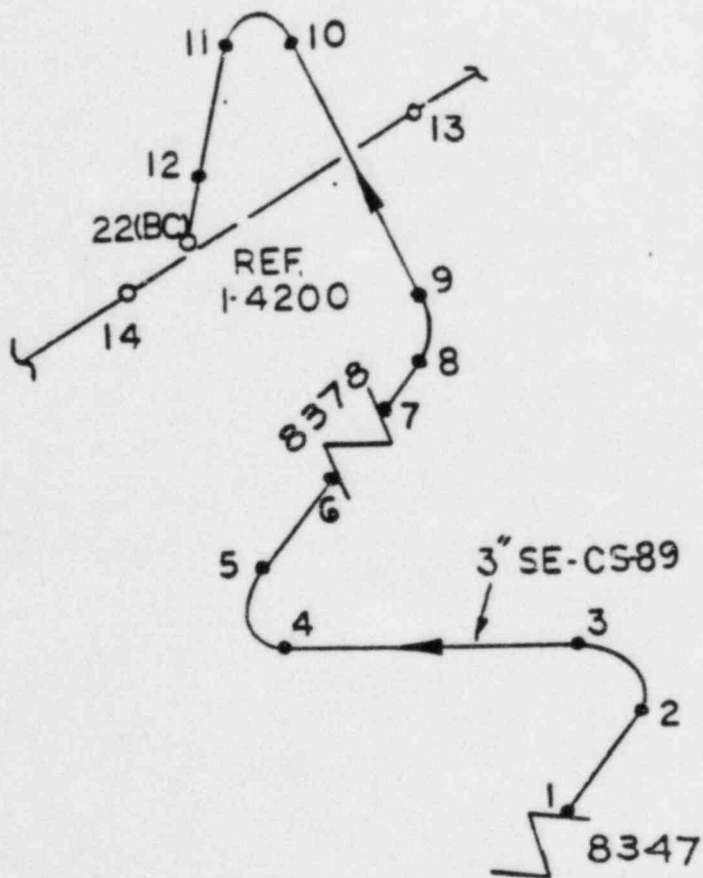
FORM 4644B



3" NORMAL CHARGING

3" SCH-160 SS
.438" T

FORM 46446

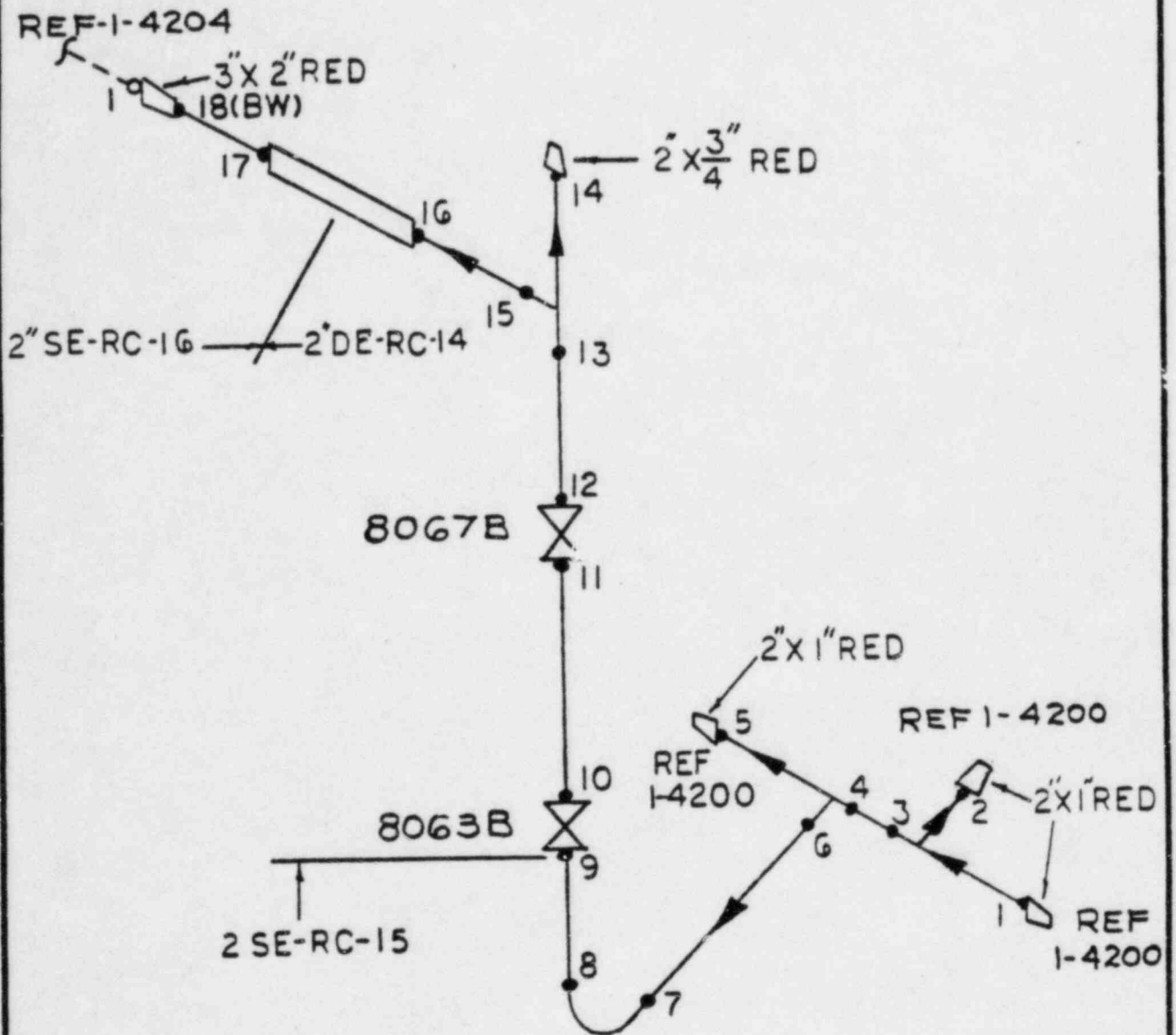


CGE-1-4206

2" RTD TAKE-OFF (H.L.)

2" SCH-160 SS
.344" T

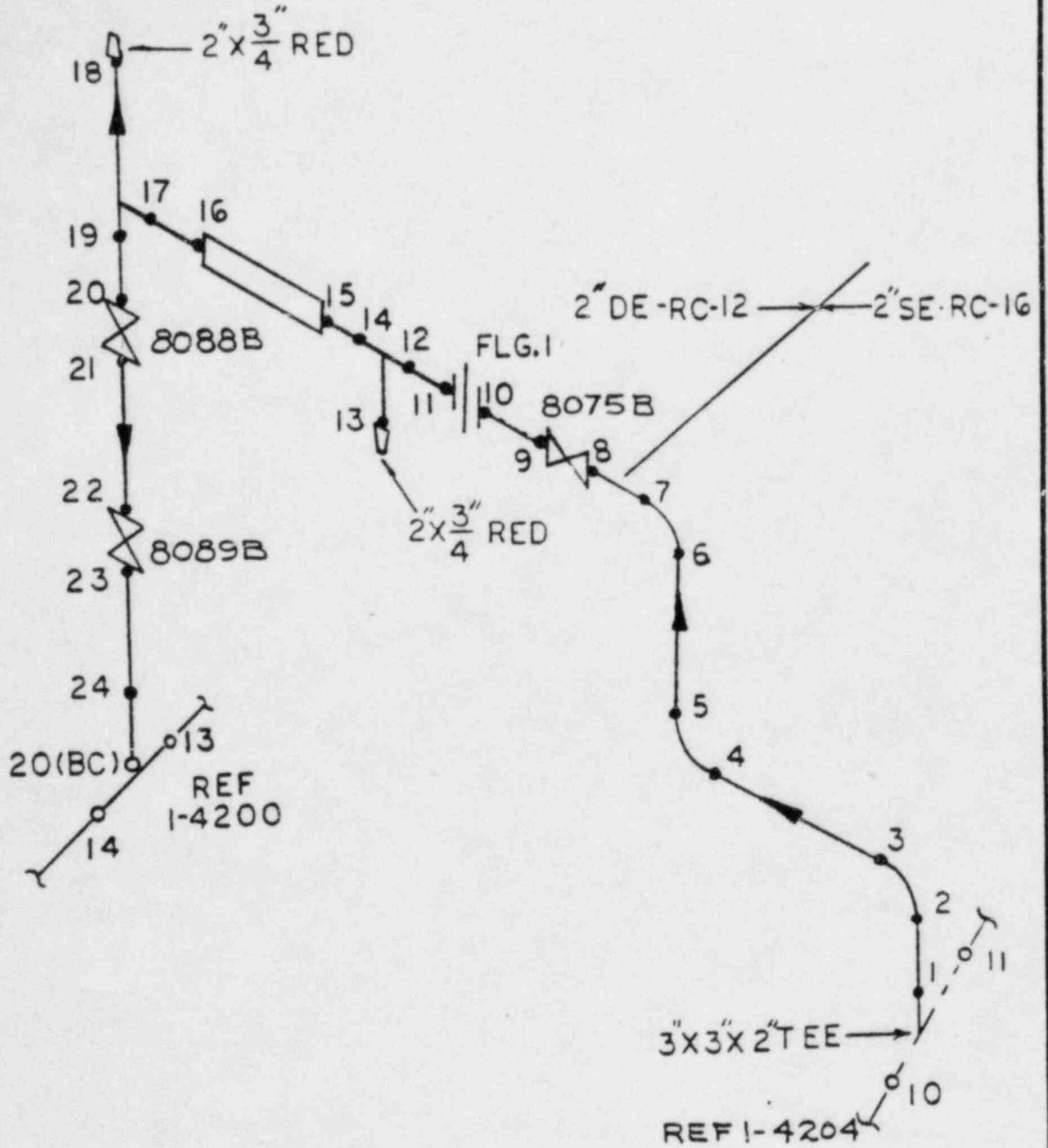
FORM 4844B



2" RTD TAKE-OFF (C.L.)
2" SCH-160 SS
.344" T

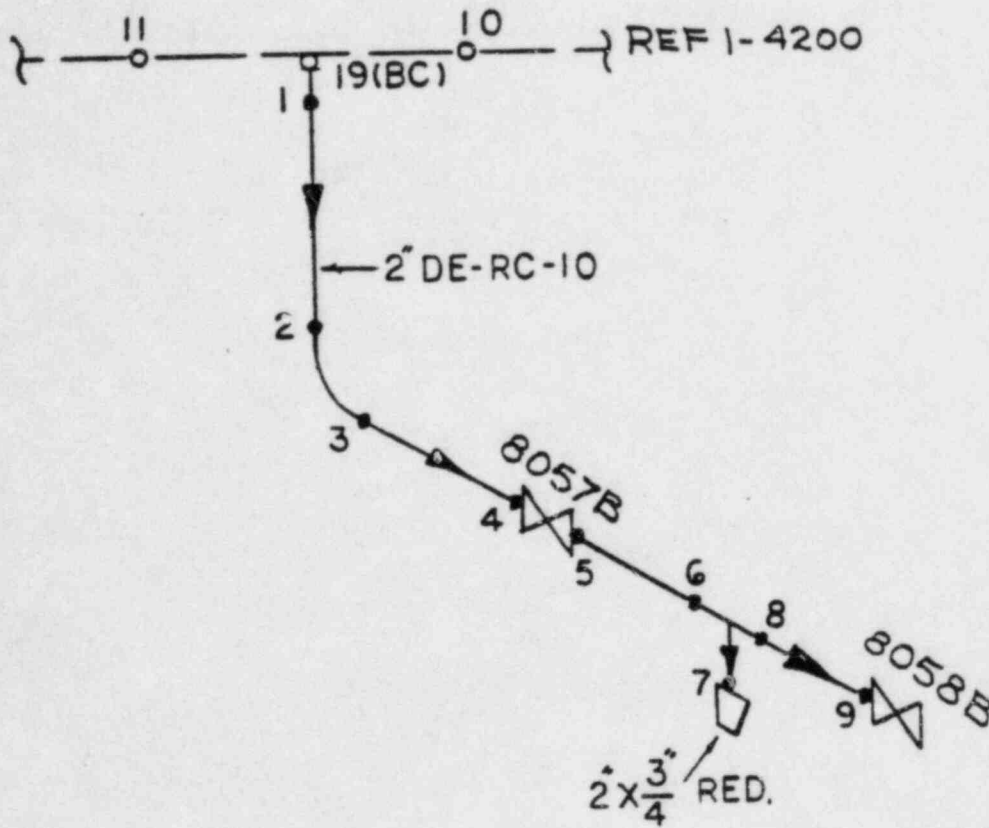
CGE-1-4207

FORM 4644B



2" DRAIN LINE
2" SCH-160 SS
.344" T

FORM 48446



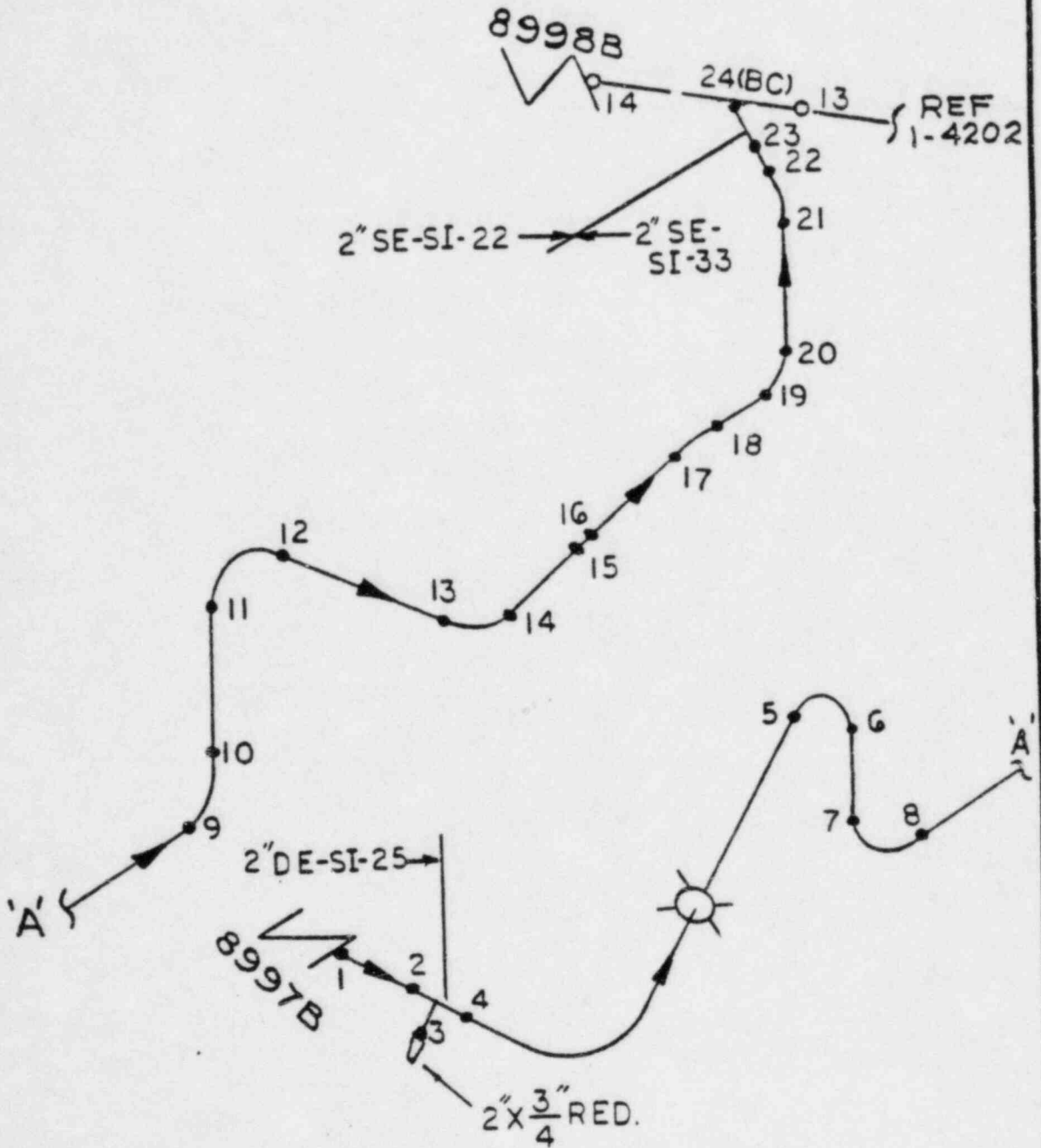
CGE-1-4209

2" HIGH HEAD (H.L.)

2" SCH-160 SS

.344" T

FORM 4044B

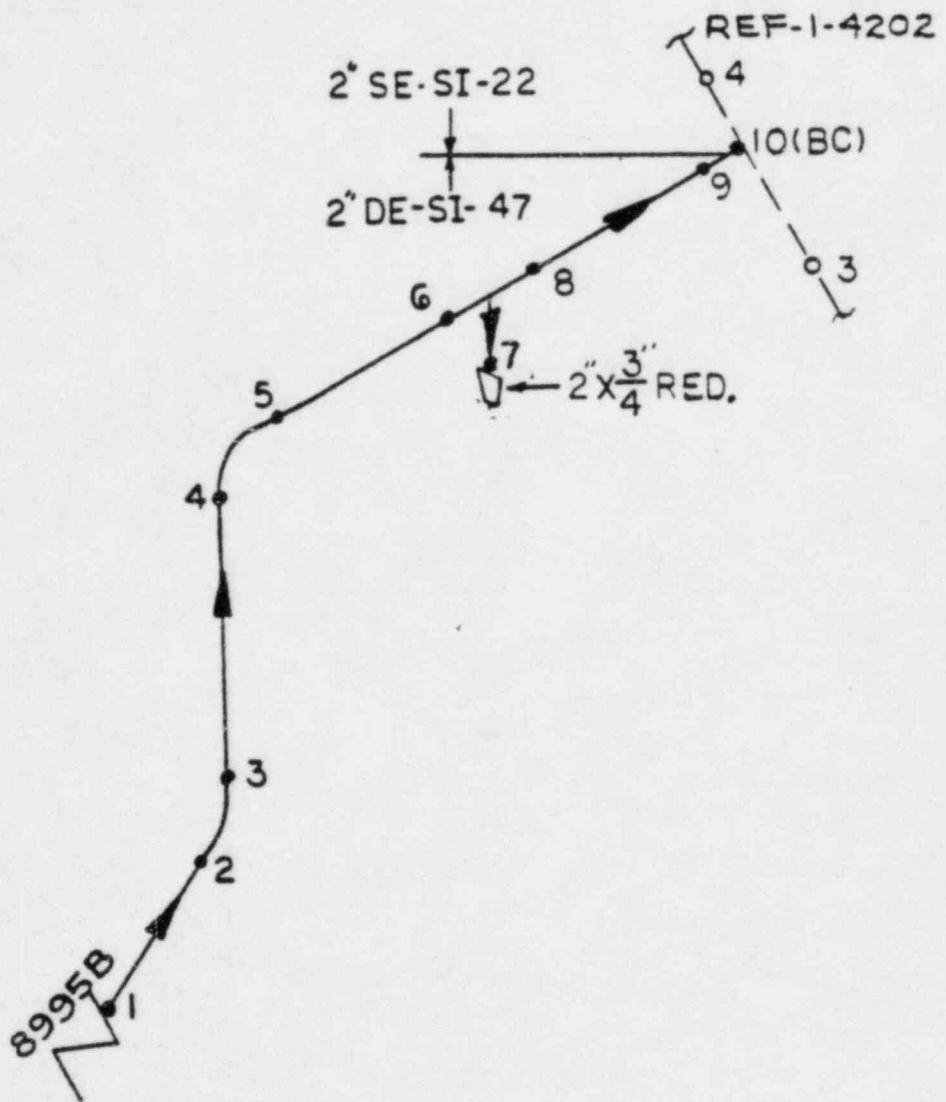


CGE-1-4210

2" HIGH HEAD (C.L.)

2" SCH-160 SS

.344" T



FORM 46446

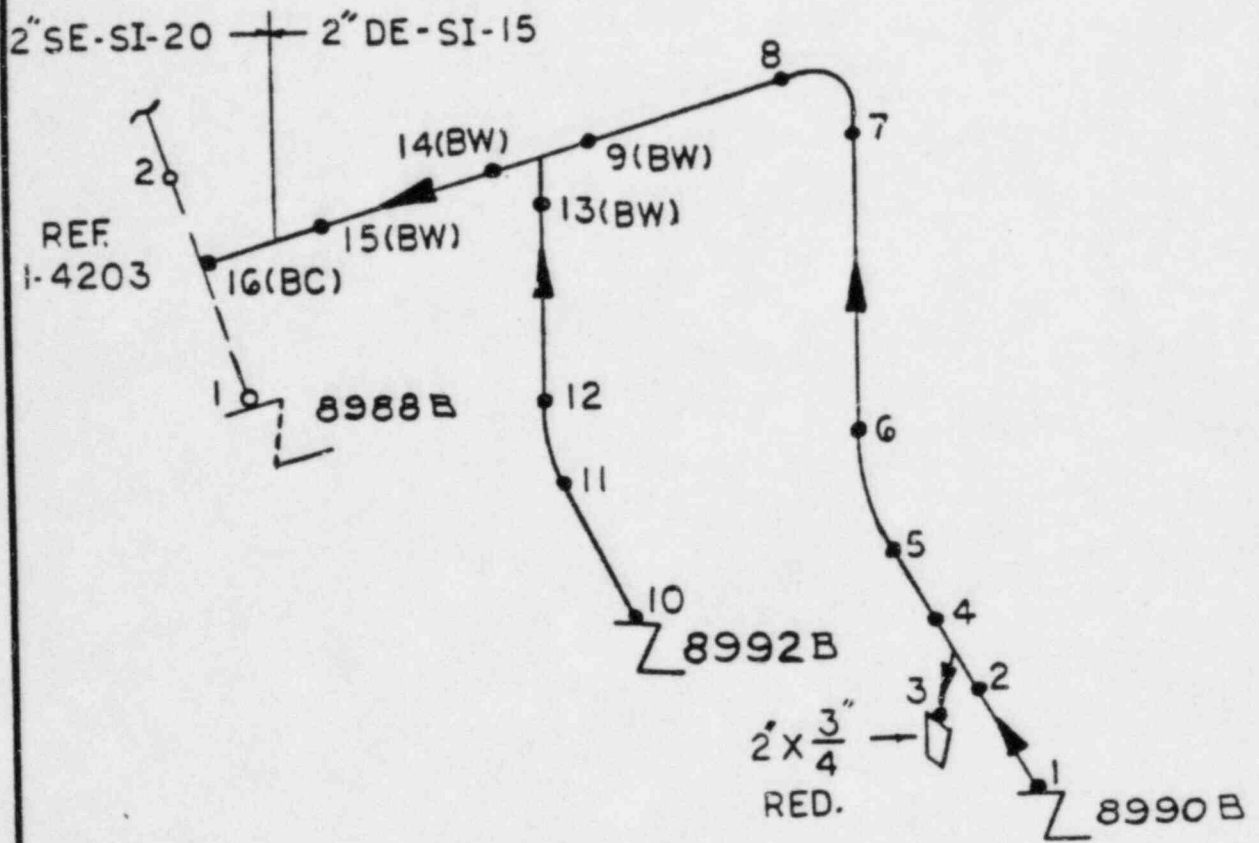
CGE-1-4211

2" HIGH HEAD (H.L.)

2" SCH-160 SS

.344" T

FORM 18448



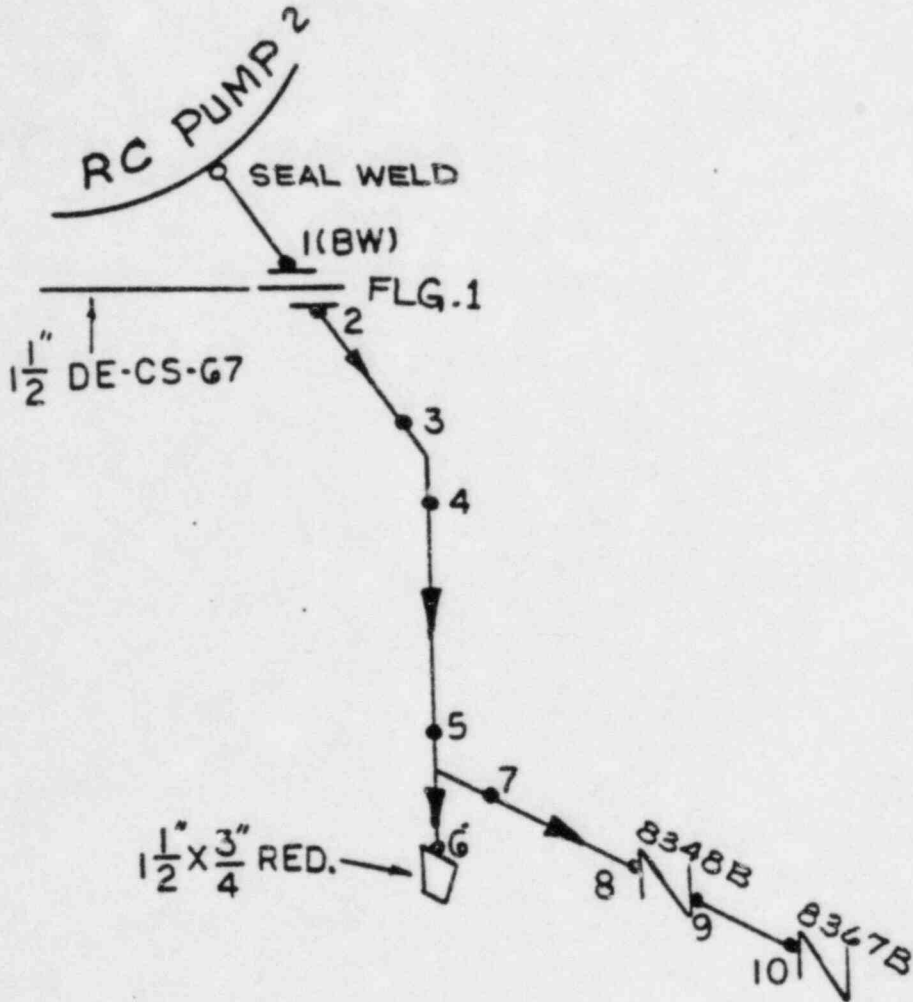
CGE-1-4212

1 1/2" SEAL INJECTION

1 1/2" SCH-160SS

.281" T

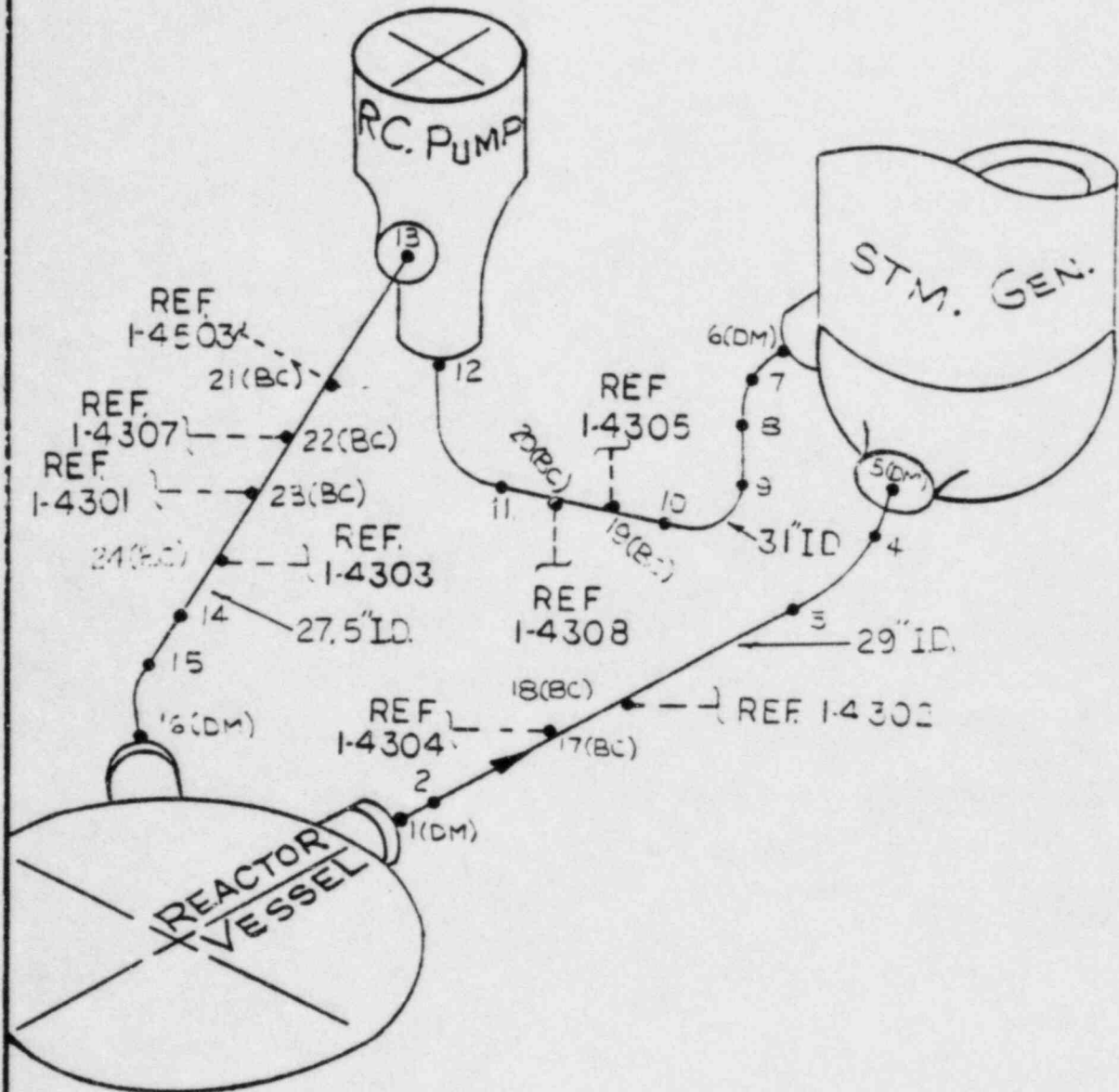
FORM 4864P



LOOP #3 R.C. PIPE

CGE-1-4300

DE-RC-06C



FORM 4844B

408

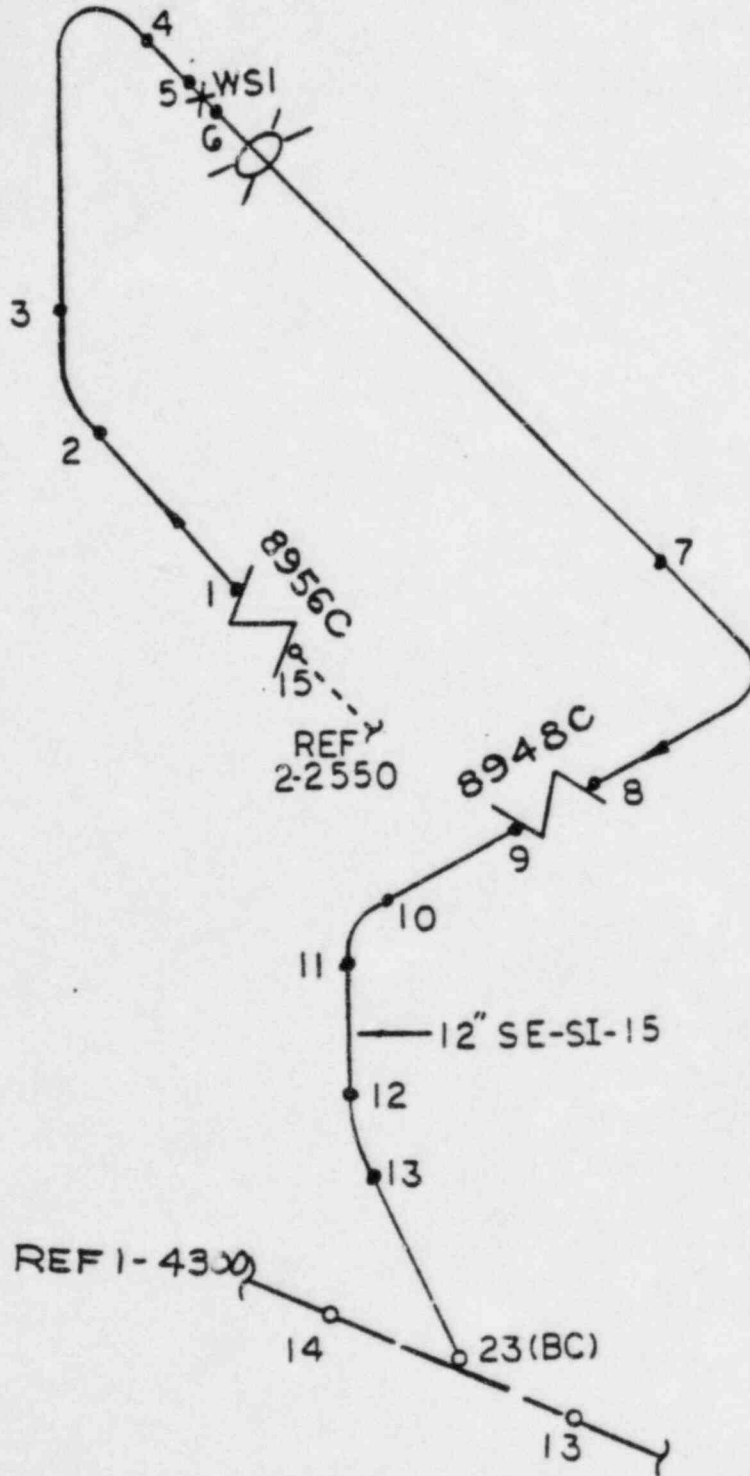
CGE-1-4301

12" ACC. DISCHARGE

12" SCH-140 SS

1.125" T

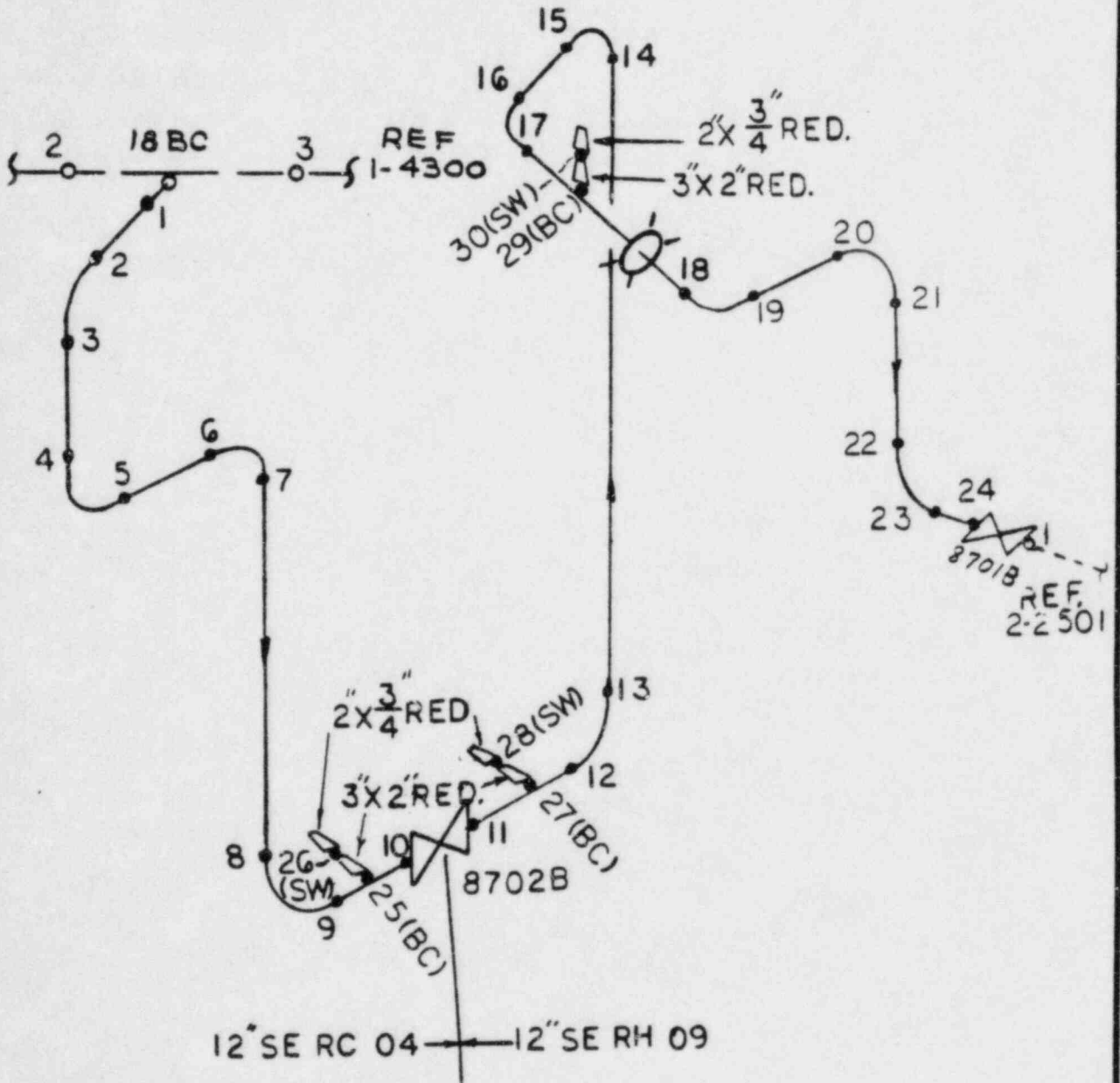
FORM 484A



12" RHR TAKE-OFF

12" SCH-140 SS 1.125" T

FORM 484A



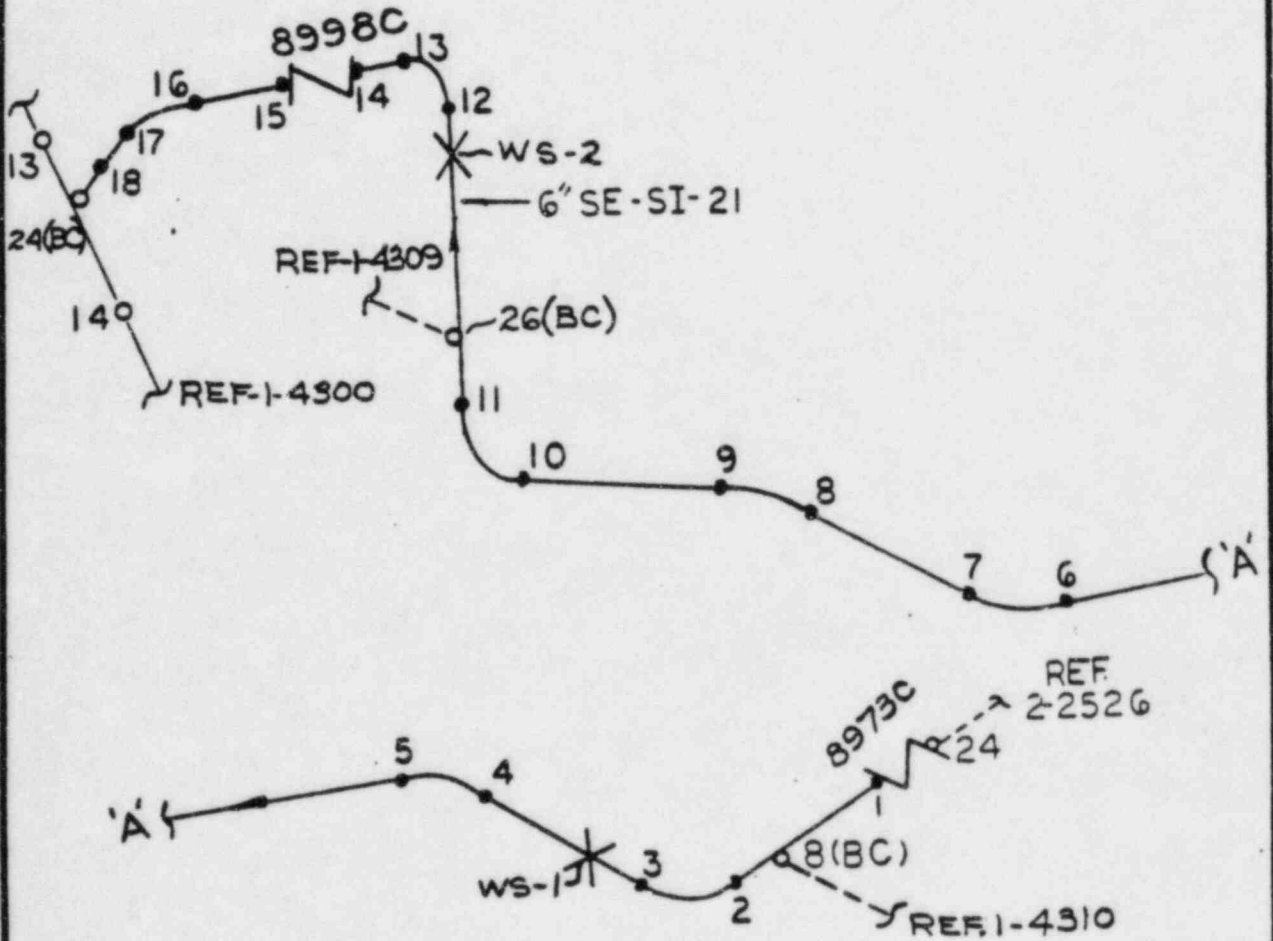
CGE-1-4303

6" HIGH HEAD (C.L.)

6" SCH-160 SS

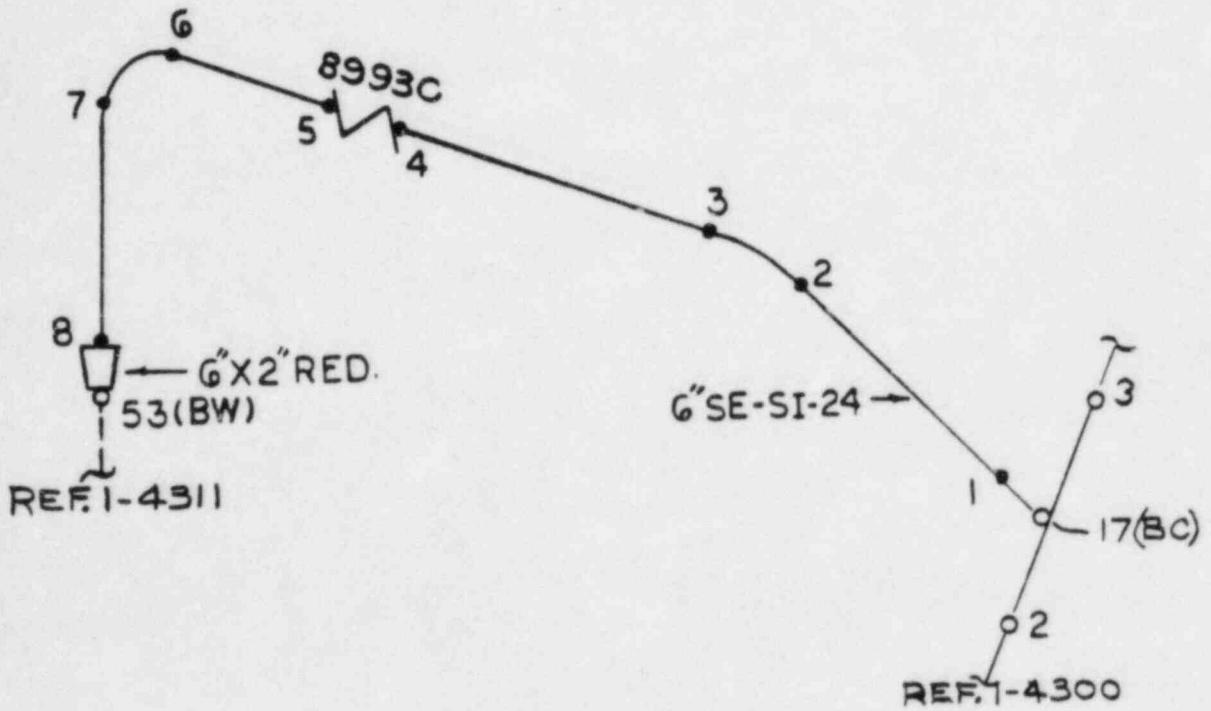
.719" T

FORM 4844B



6" HIGH HEAD (H.L.)
6" SCH-160 SS
.719" T

FORM 46446

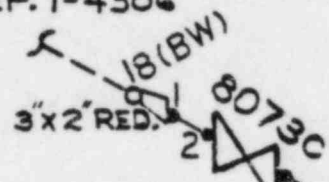


CGE-1-4305

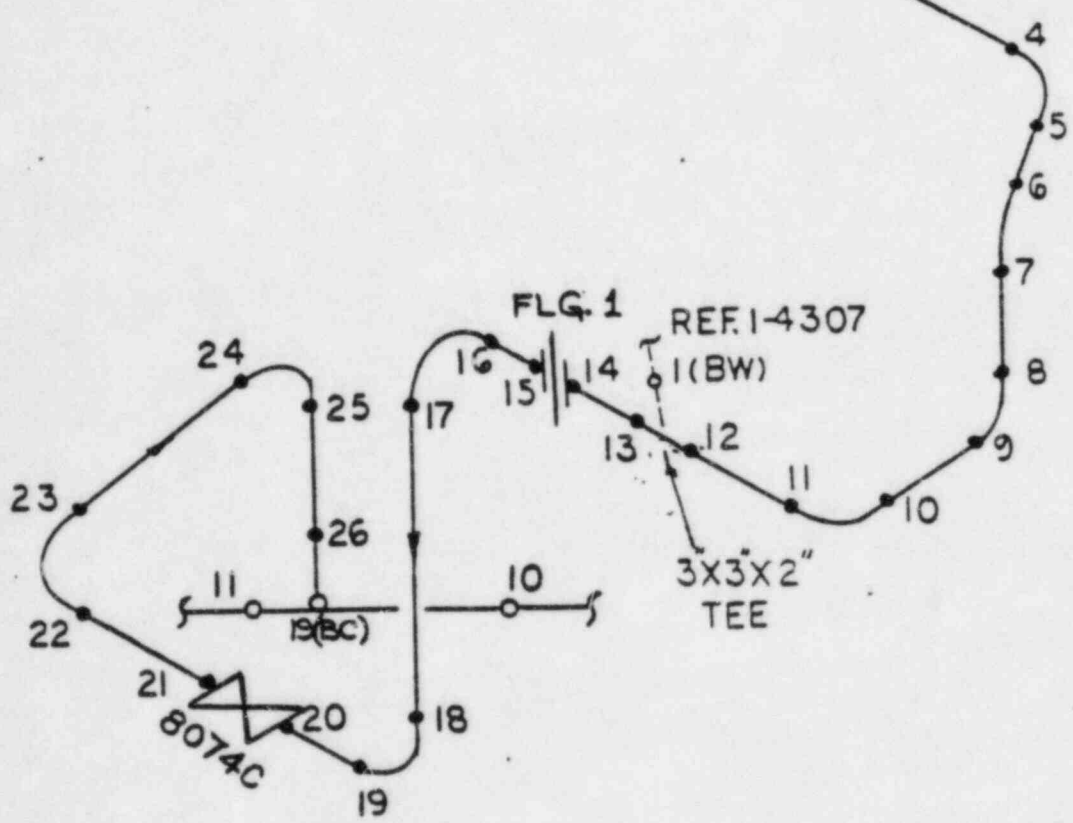
3" RTD RETURN

3" SCH-160SS
.438" T

REF. 1-4306



3" SE-RC-14



FLG. 1

REF. 1-4307

1(BW)

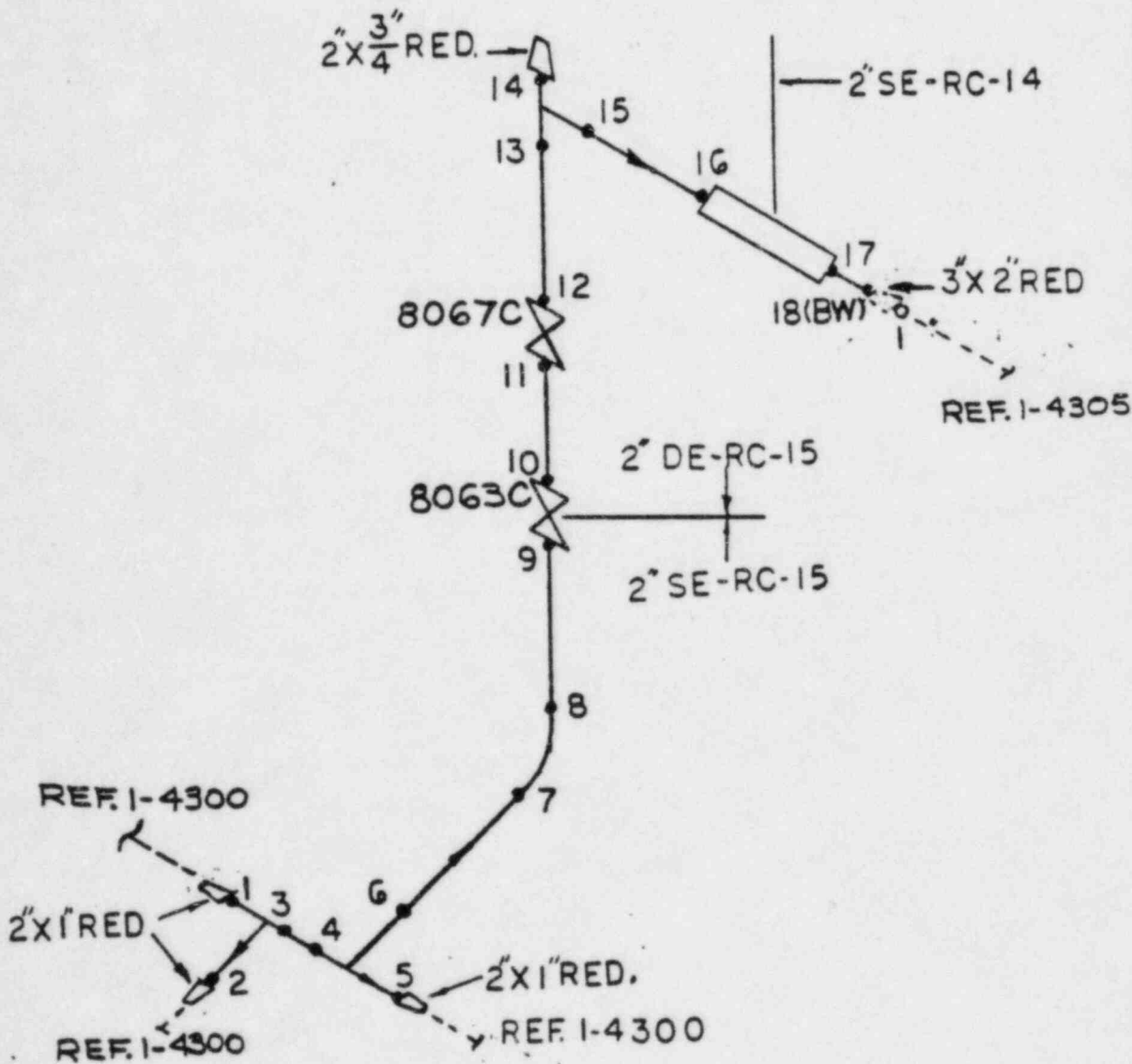
3x3x2" TEE

FORM 46446

2" RTD TAKE-OFF (H.L.)

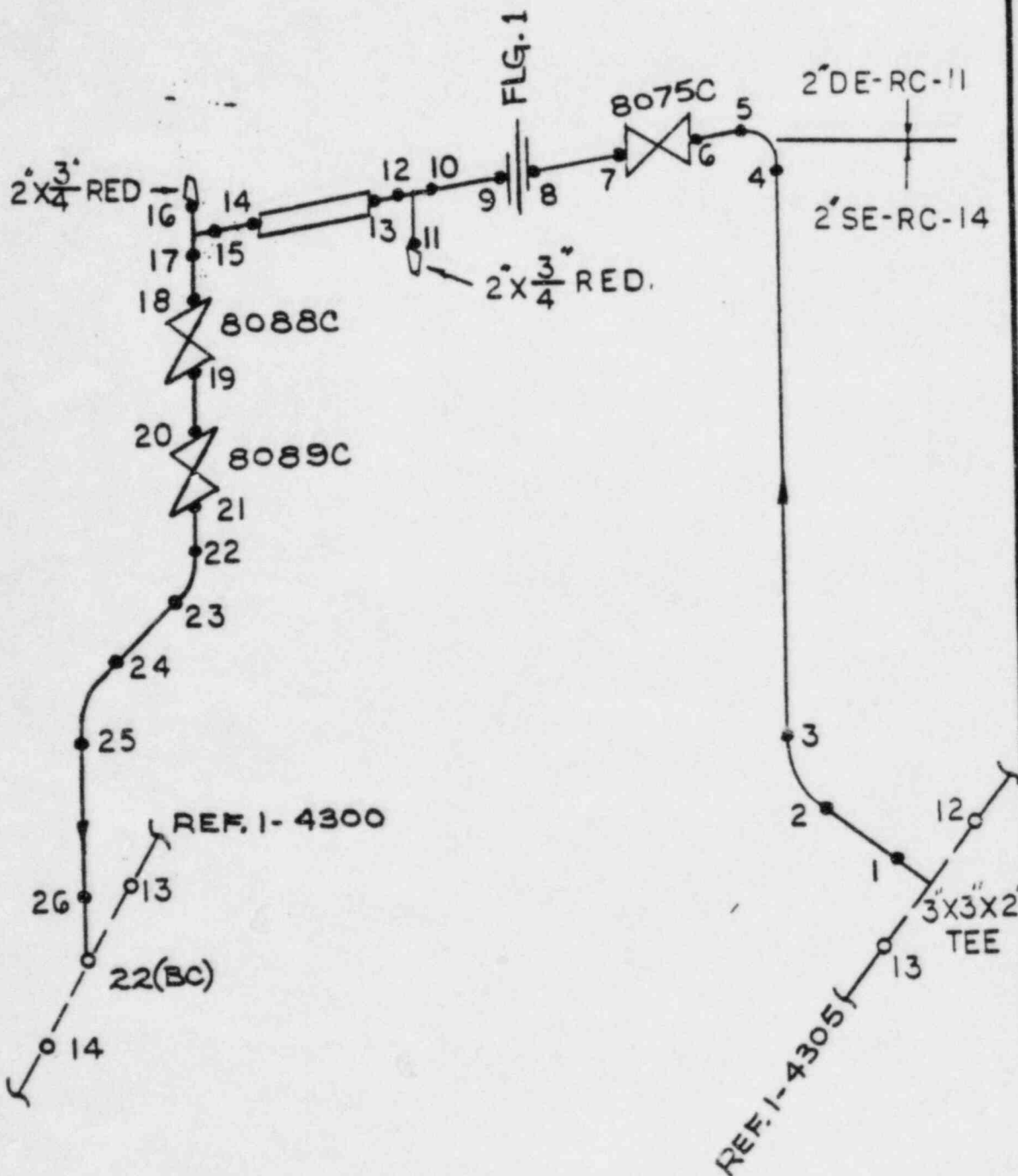
2" SCH-160 SS
.344" T

FORM 4844B



2" TAKE-OFF (C.L.)

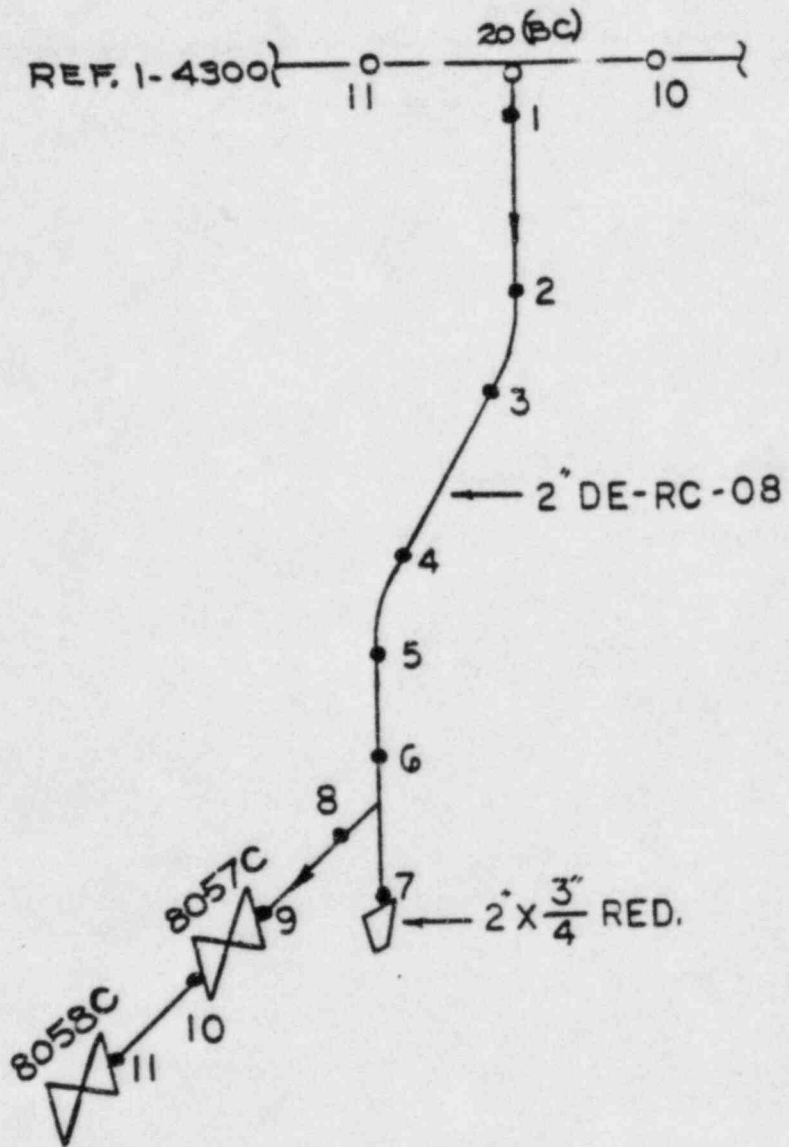
2" SCH-160 SS
.344" T



FORM 45446

CGE-1-4308

2" DRAIN LINE
2" SCH-160SS
.344" T



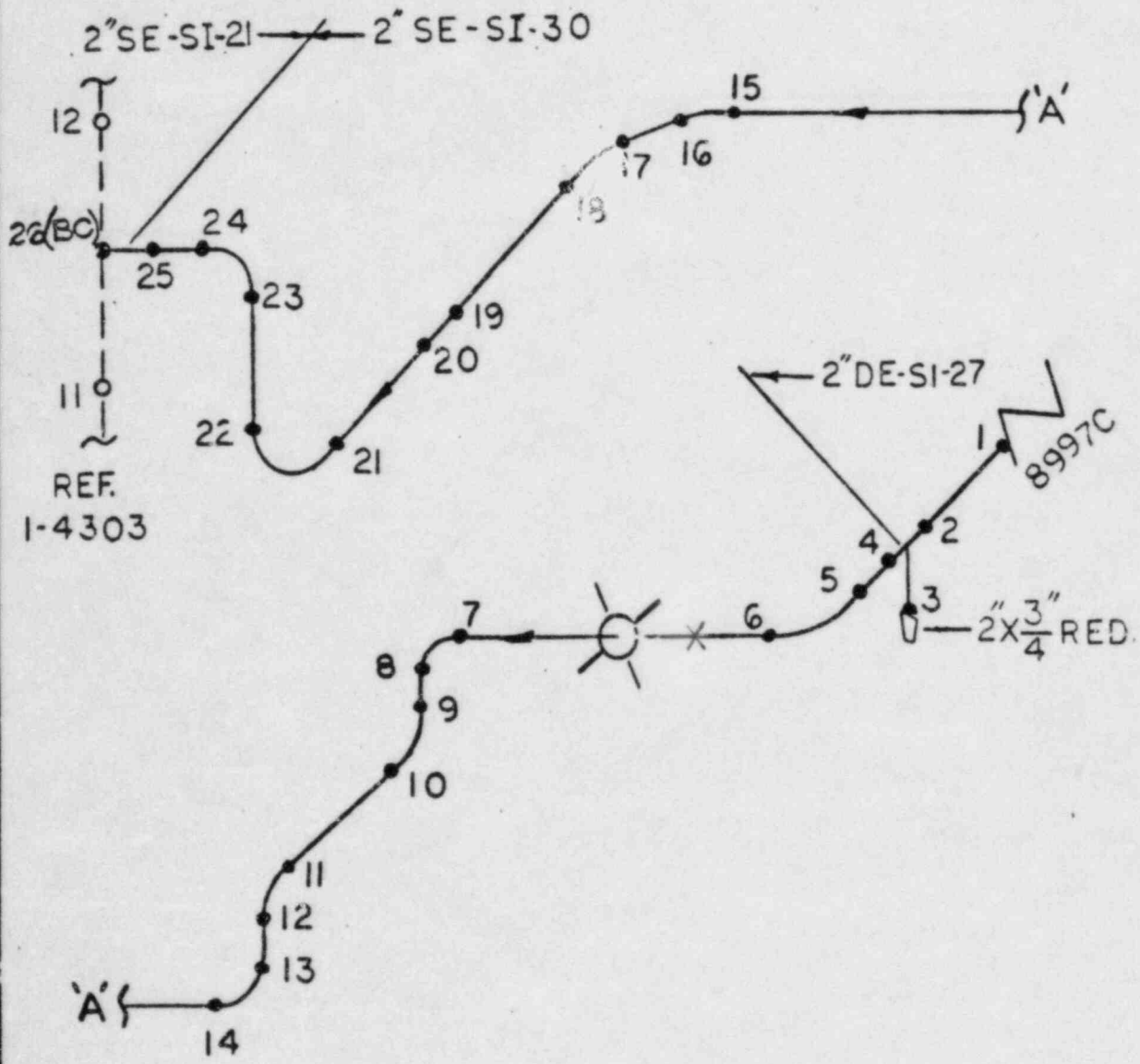
FORM 4644B

524

CGE-1-4309

2" HIGH HEAD (C.L.)
2" SCH-160 SS
.344" T

FORM 2-1-46

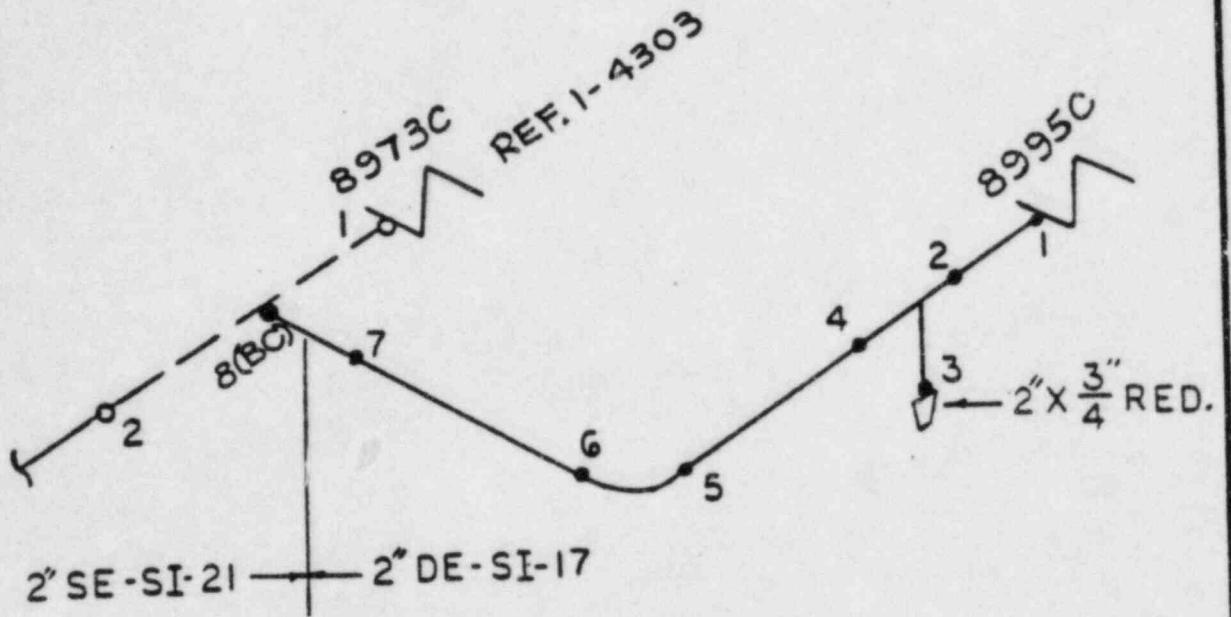


CGE-1-4310

2" HIGH HEAD (C.L.)

2" SCH-160 SS

.344" T



FORM 48648

542

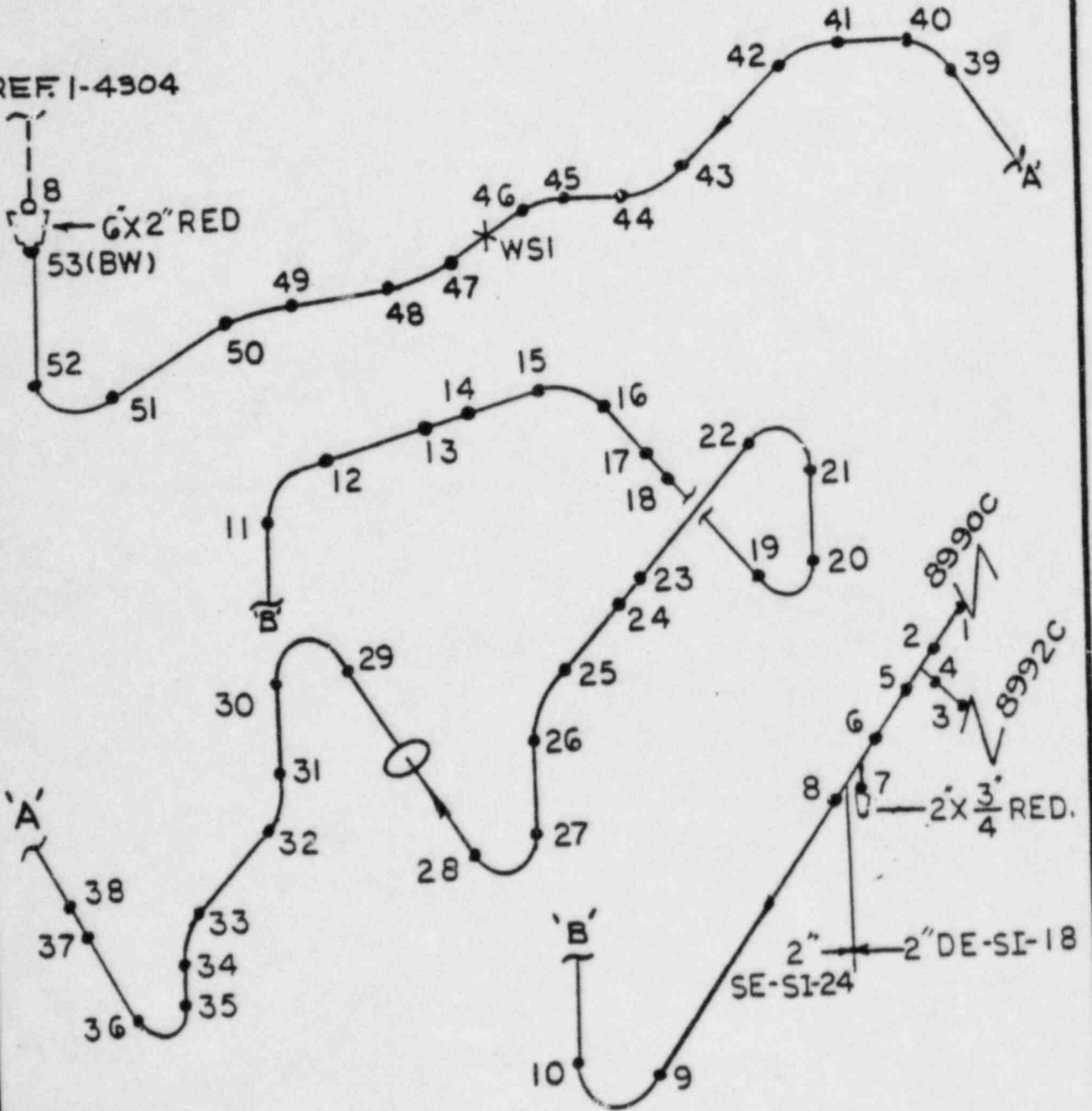
2" HIGH HEAD (H.L.)

2" SCH-160 SS

.344" T

FORM 48446

REF. 1-4304



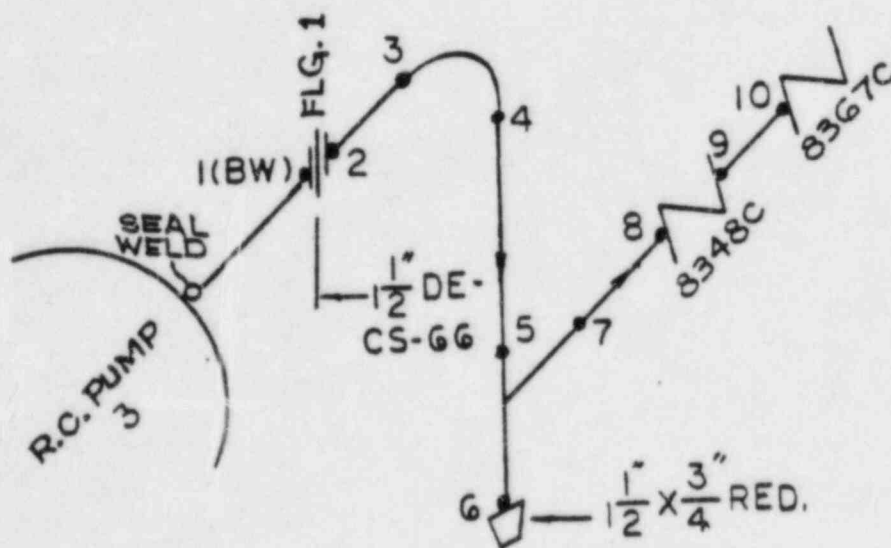
CGE-I-4312

1 1/2" SEAL INJECTION

1 1/2" SCH-160 SS

.281" T

FORM 48446



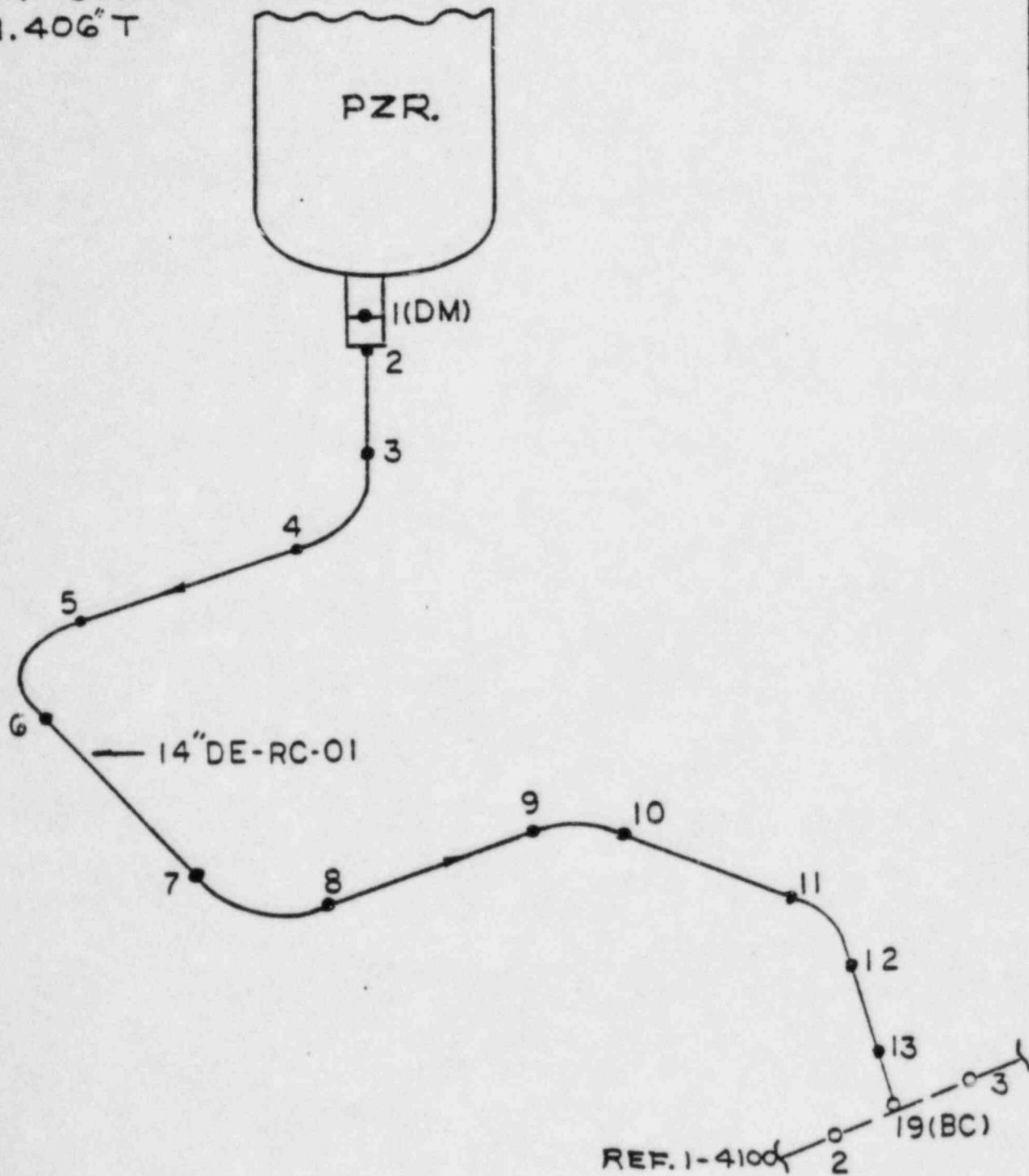
565

14" PRESSURIZER SURGE

14" SCH-160 SS

1.406" T

FORM 489

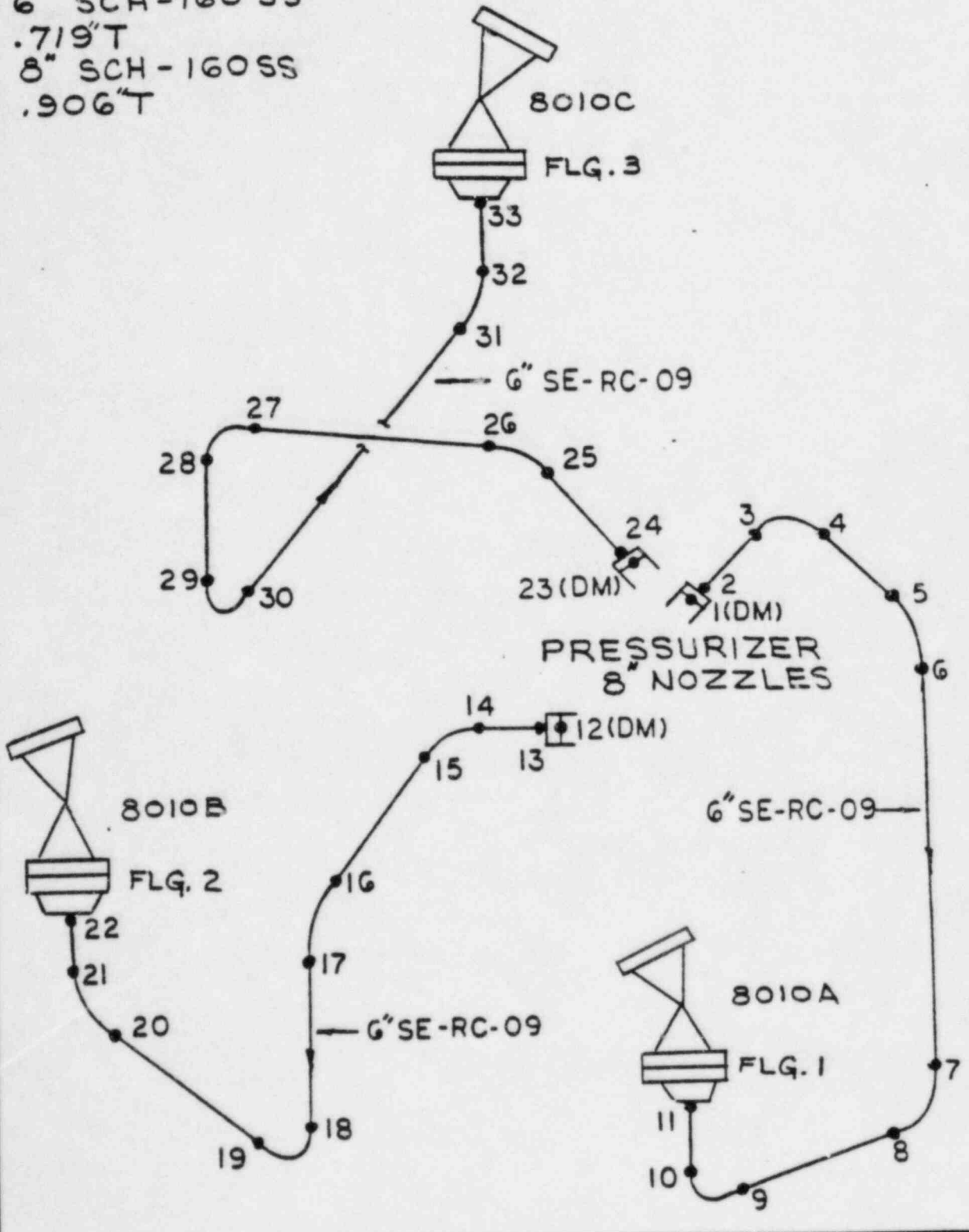


CGE-1-4501

8" & 6" PRESSURIZER SAFETY

6" SCH-160 SS
 .719" T
 8" SCH-160 SS
 .906" T

FORM 4844B



CGE-1-4502

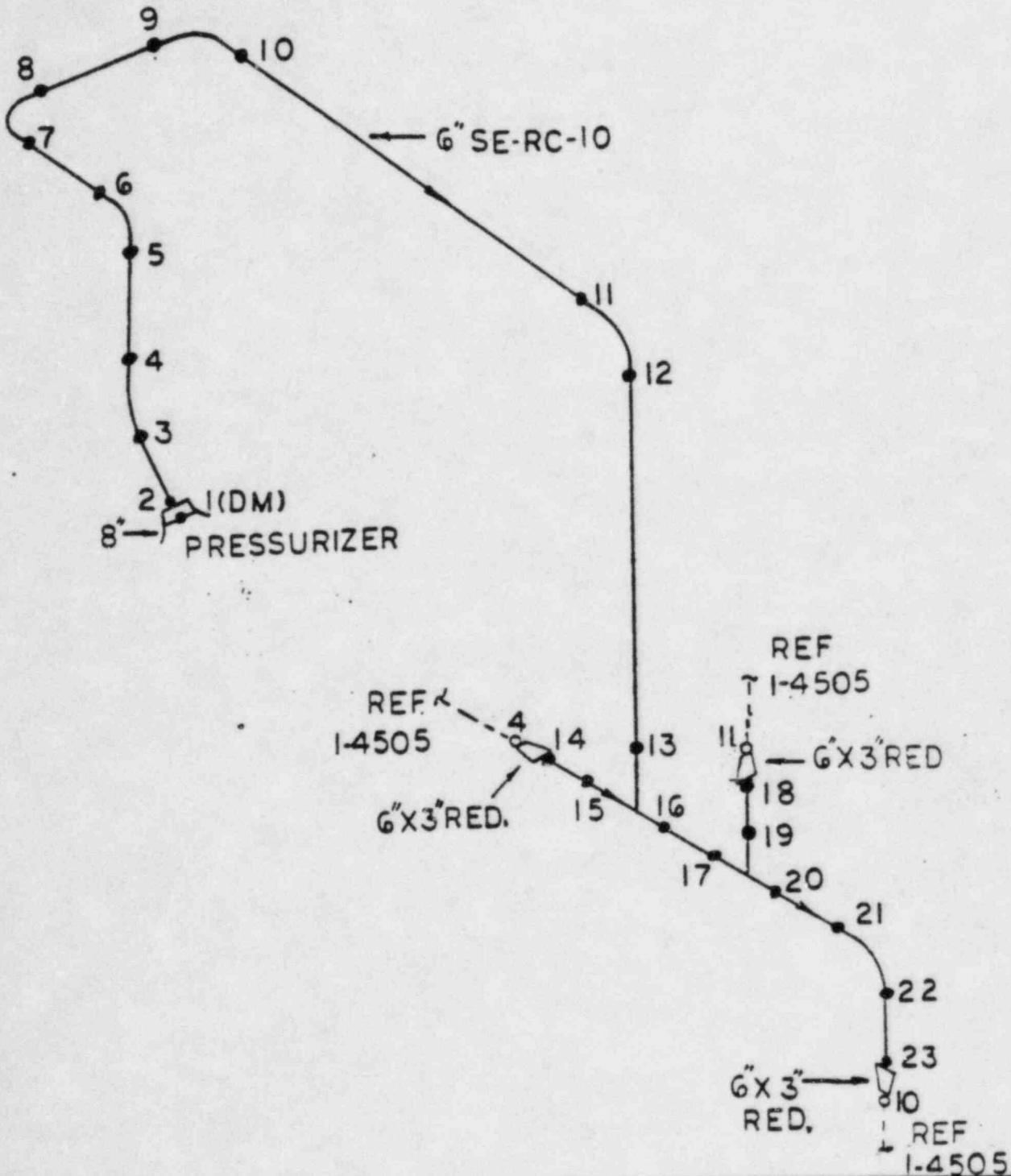
8" & 6" PRESSURIZER RELIEF

6" SCH-160 SS

.719" T

8" SCH-160 SS

.906" T



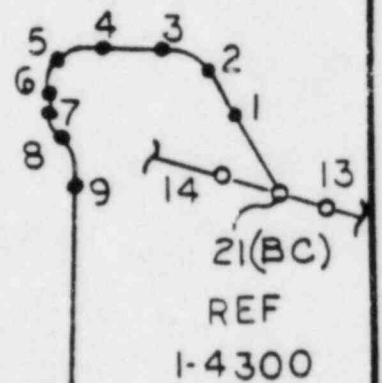
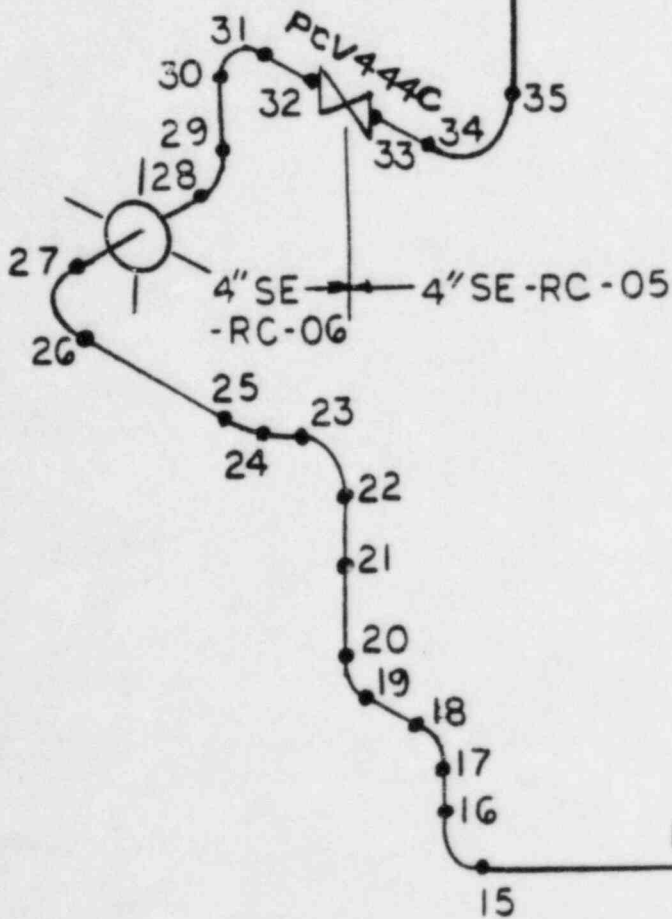
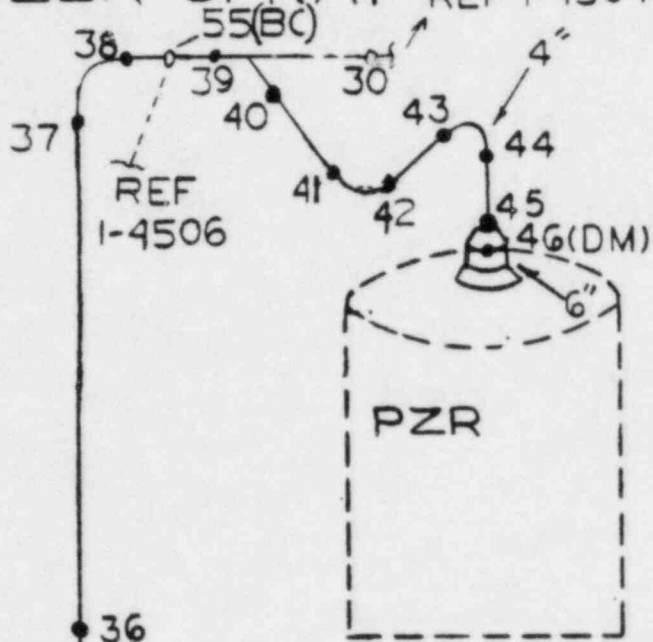
FORM 4644B

CGE-1-4503

6" & 4" PRESSURIZER SPRAY

4" SCH-160 SS
.531" T
6" SCH-160 SS
.719" T

REF I-4504



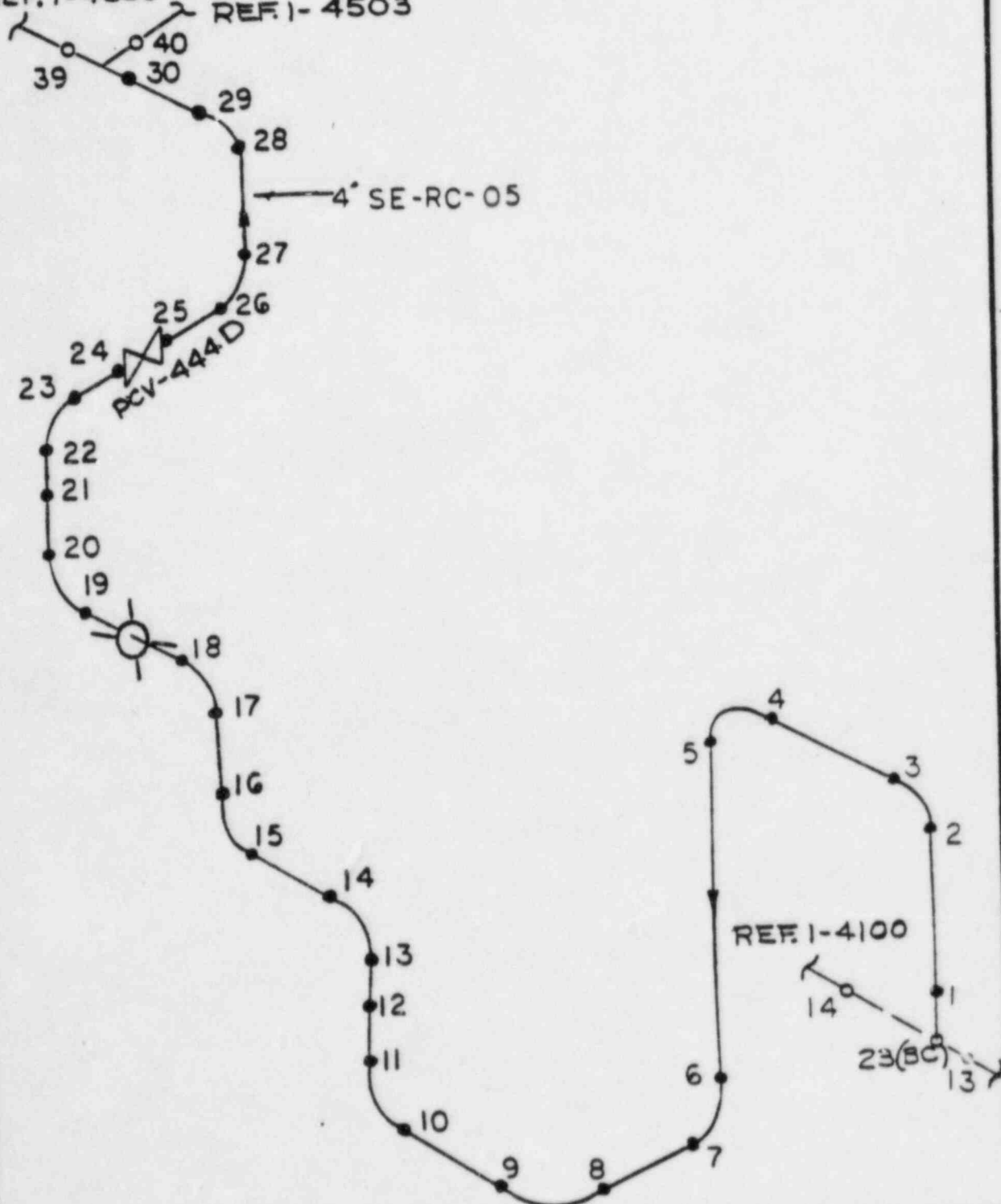
FORM 4644B

4" PRESSURIZER SPRAY

4" SCH-160 SS .531" T

REF. 1-4503

REF. 1-4503



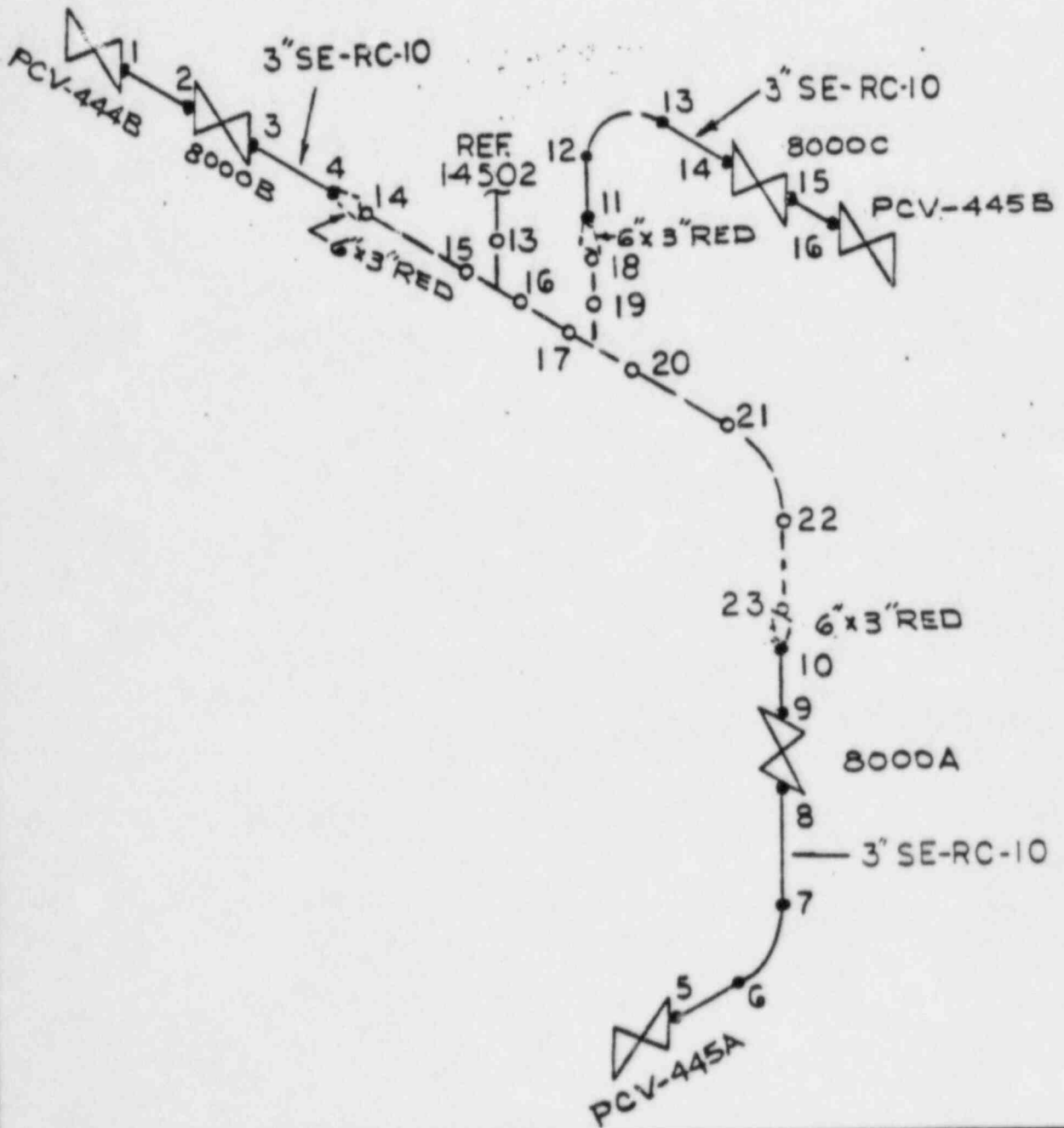
FORM 4844E

CGE-1-4505

3" PRESSURIZER RELIEF

3" SCH-160 SS
.438" T

FORM 4644B



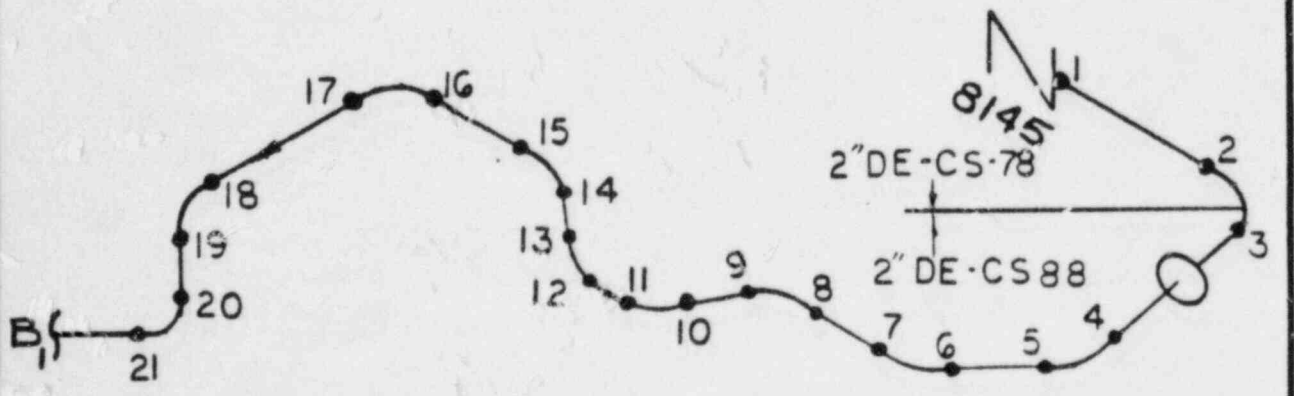
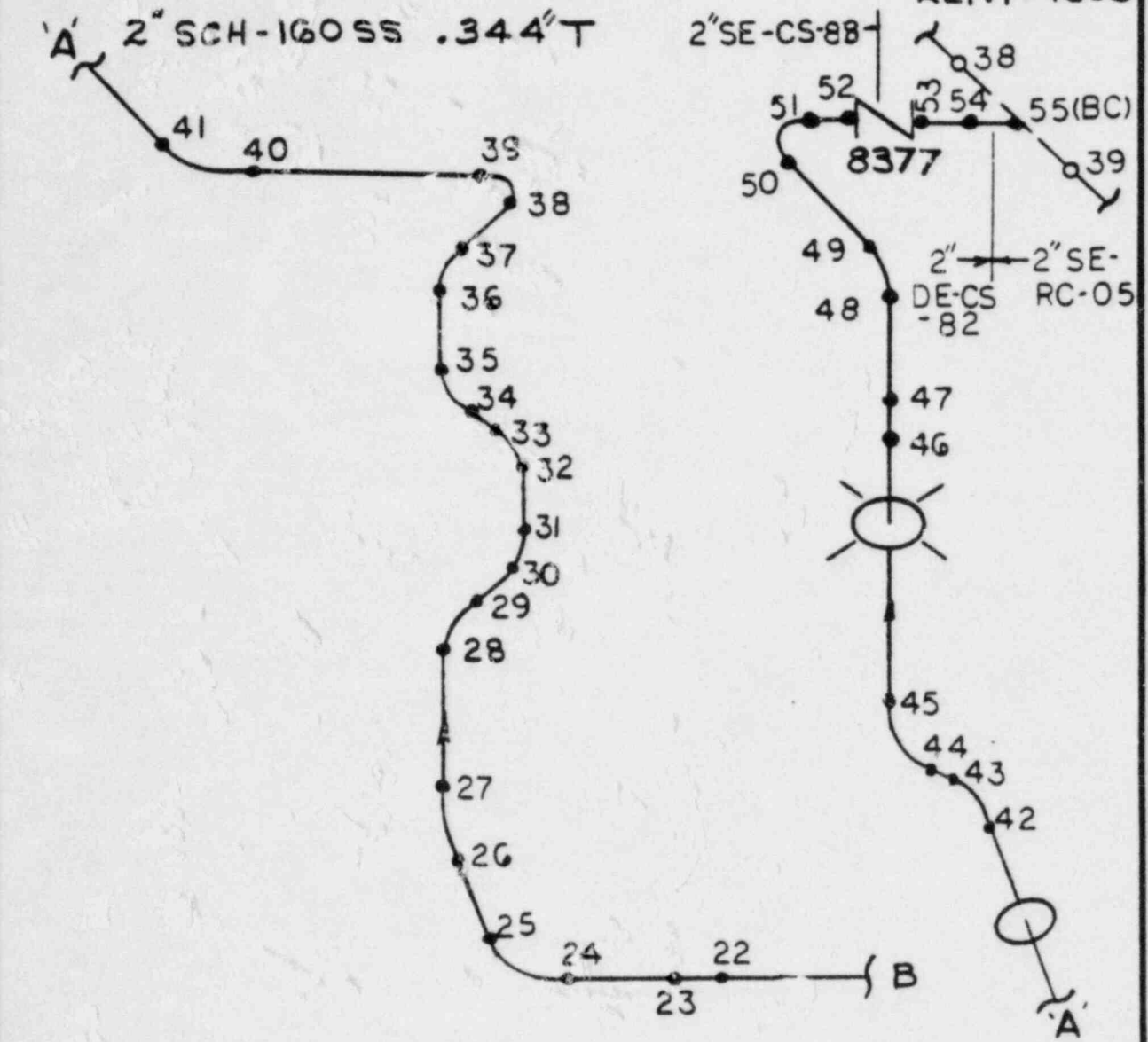
FORM 4844B

2" AUXILIARY SPRAY

CGE-1-4506

REF. 1-4503

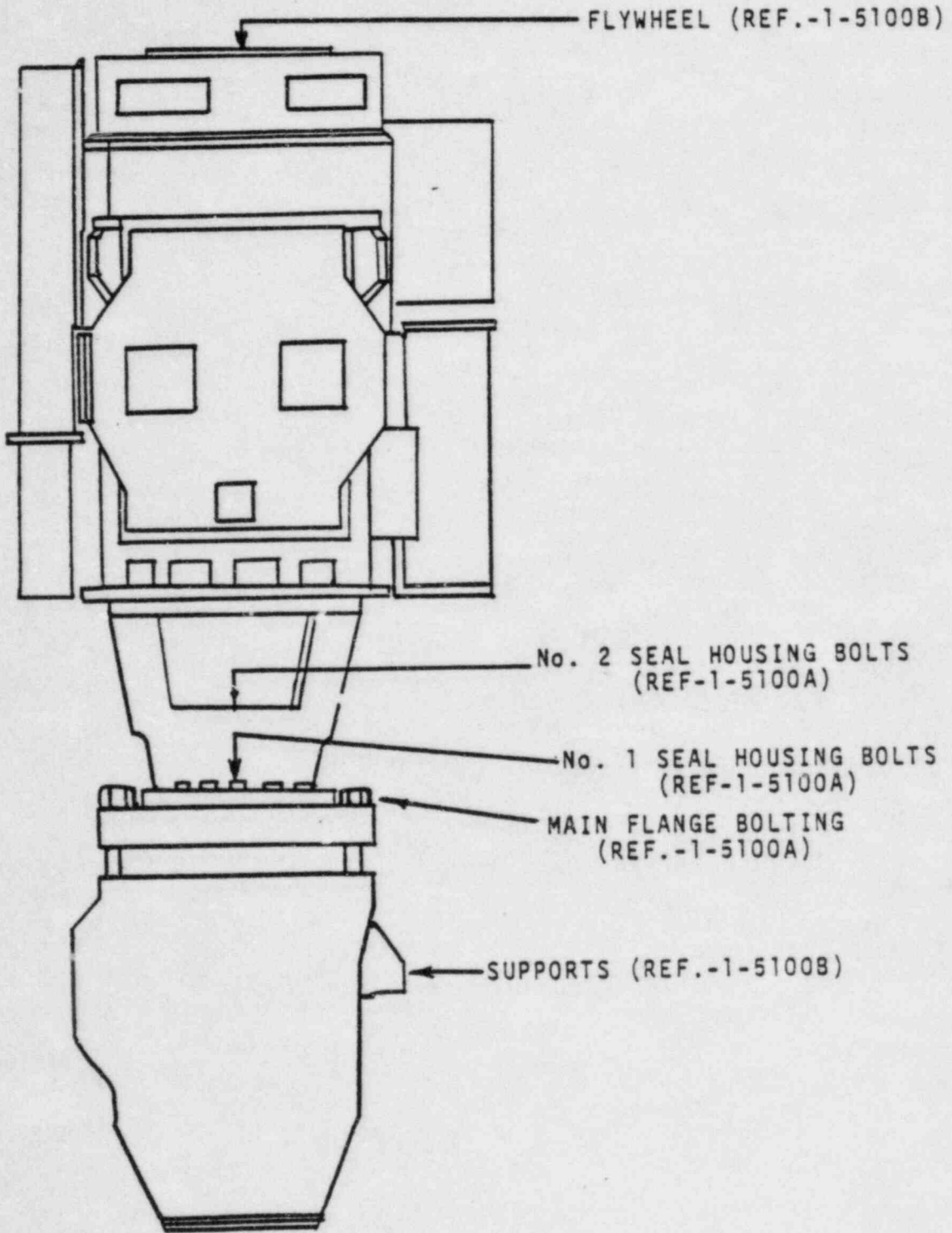
A 2" SCH-160 SS .344" T



ILLUSTRATIVE ONLY

CGE-1-5100

REACTOR COOLANT PUMPS 1, 2 & 3



FORM 4844B

ILLUSTRATIVE ONLY

CGE-I-5100A

R.C. PUMP BOLTING

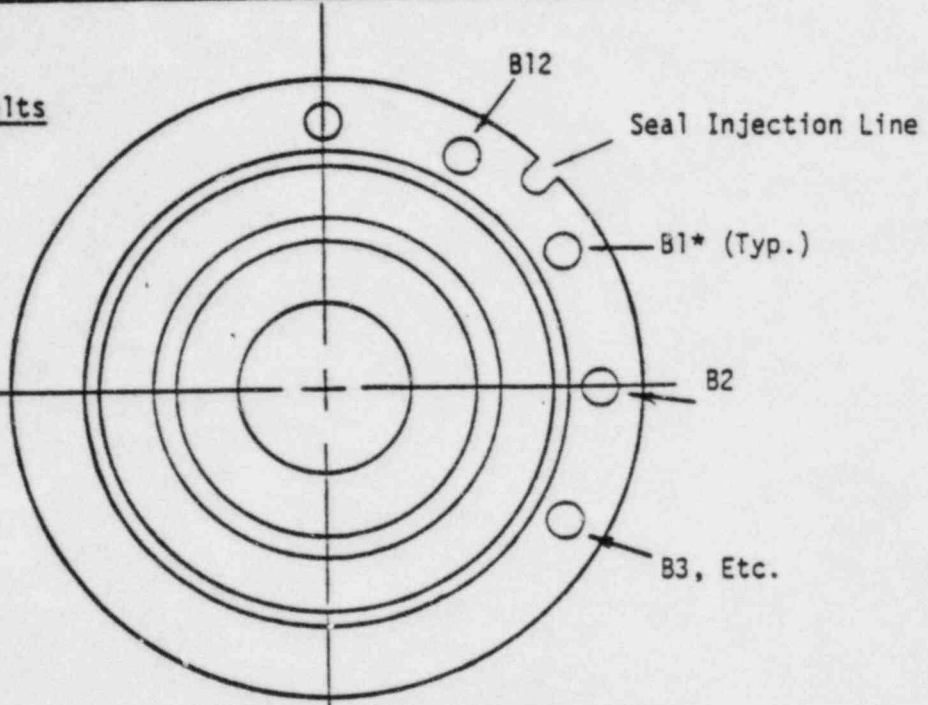
NO.1&NO.2 SEAL HOUSING BOLTING

No. 1 Seal Housing Bolts

12 BOLTS
8" Length
2" Diameter

No. 2 Seal Housing Bolts

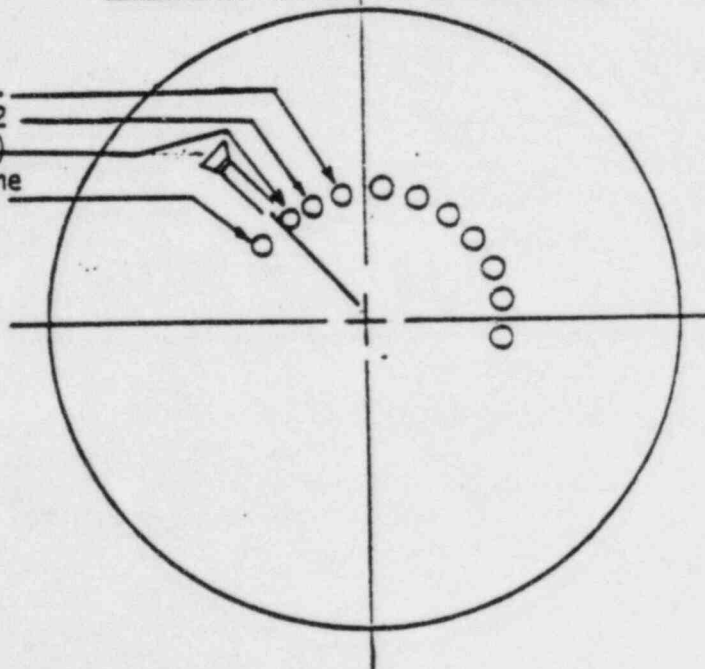
12 BOLTS
8" Length
1.25" Diameter



FLANGE BOLTING

B3, Etc.
B2
B1*, (Typ)
Seal Injection Line
B24

24 BOLTS
30.5" Length
4.5" Diameter

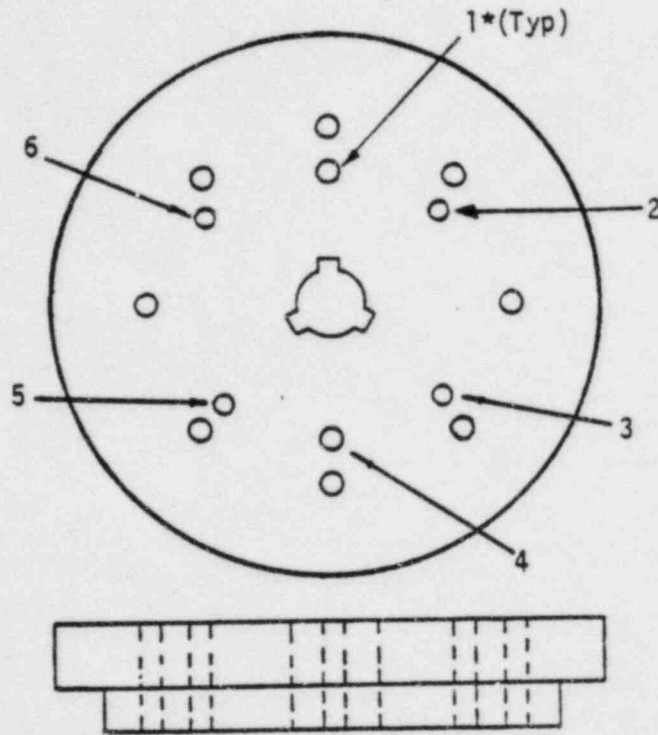


*Number is preceded by (1-), (2-) or (3-) as applicable.

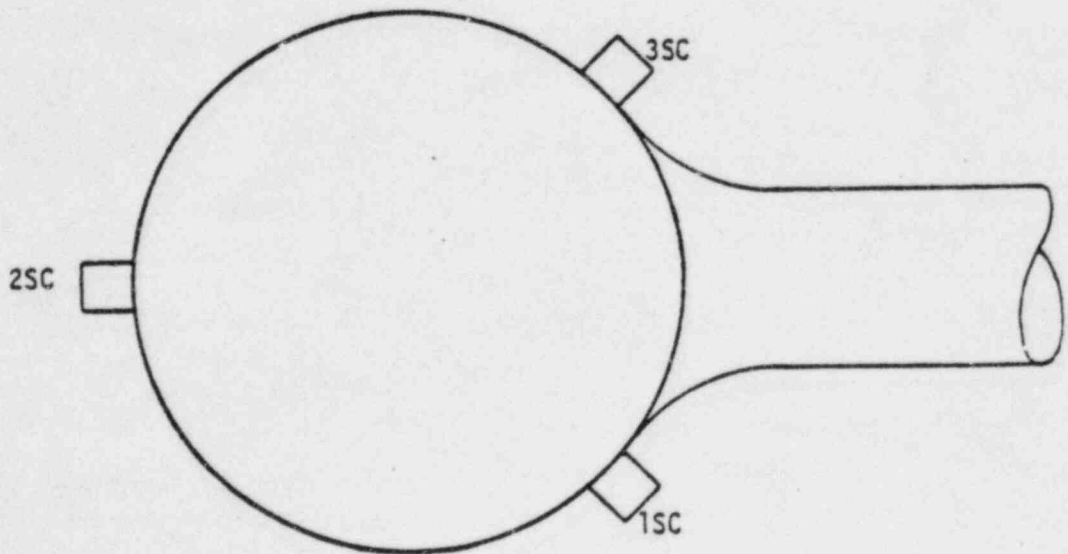
ILLUSTRATIVE ONLY

CGE-1-5100B

FLYWHEEL



R.C. PUMP SUPPORTS

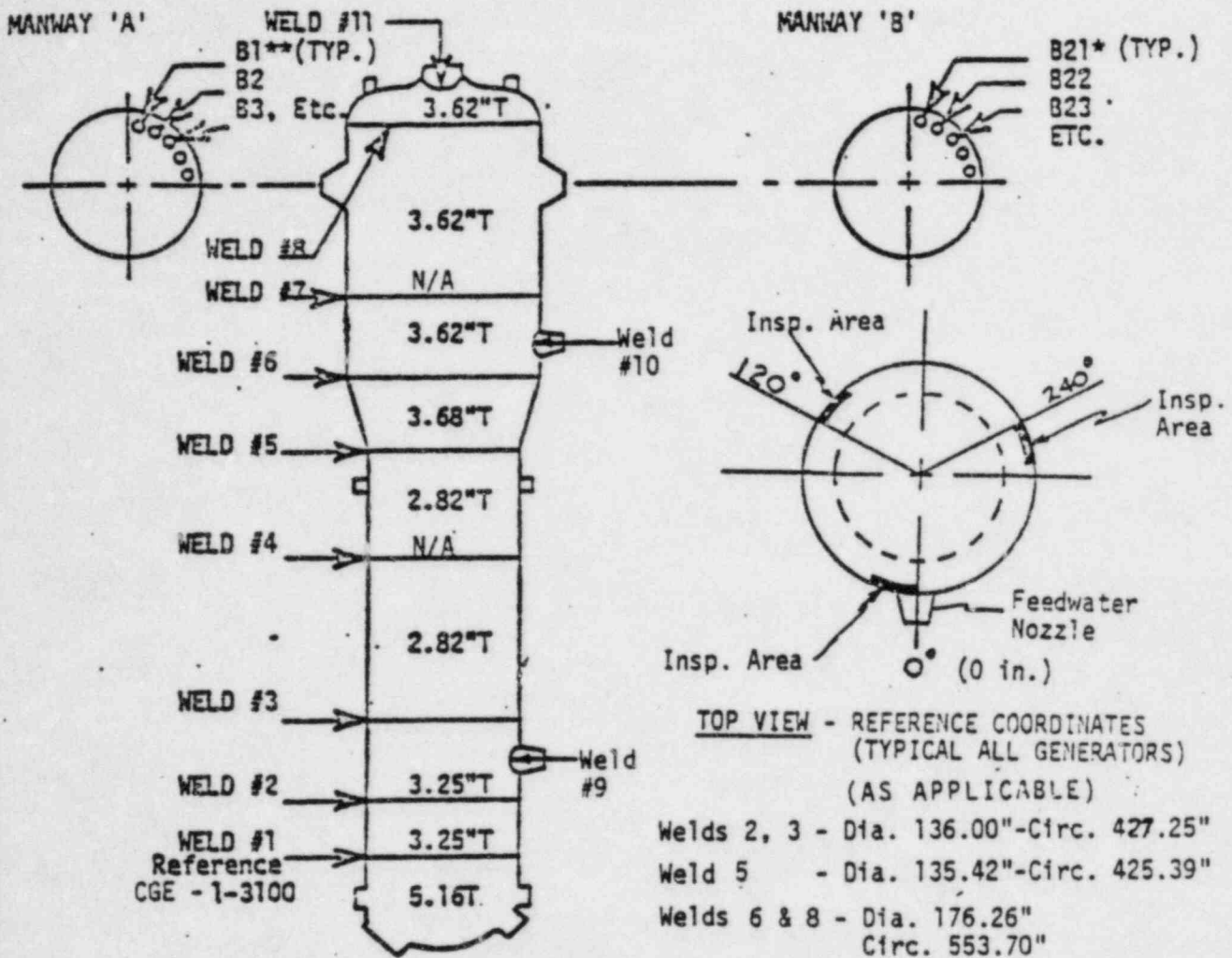


*Number is preceded by (1-), (2-) Or (3-) as applicable.

ILLUSTRATIVE ONLY

CGE-2-1100

STEAM GENERATORS



TOP VIEW - REFERENCE COORDINATES (TYPICAL ALL GENERATORS) (AS APPLICABLE)

- Welds 2, 3 - Dia. 136.00"-Circ. 427.25"
- Weld 5 - Dia. 135.42"-Circ. 425.39"
- Welds 6 & 8 - Dia. 176.26" Circ. 553.70"

S.G.	WELDS	ZERO REFERENCE	MANWAY	BOLTS/LIGS.#
1	1-2&1-3	Centerline of Feedwater Nozzle 3 places (0°, 120° and 240°) at 37.5" ea.	A	1-1 to 1-20
	1-9	100% (18" Feedwater Nozzle)	B	1-21 to 1-40
2	2-5&2-6	Centerline of 6" Aux. Feedwater nozzle 3 places (0°, 120° and 240°) at 37.5" ea.	A	2-1 to 2-20
	2-10	100% (6" Aux. Feedwater Nozzle)	B	2-21 to 2-40
3	3-8	Centerline of 32" Mainsteam Line 3 places (0°, 120° and 240°) at 37.5" ea.	A	3-1 to 3-20
	3-11	100% (32" Mainsteam Line)	B	3-21 to 3-40

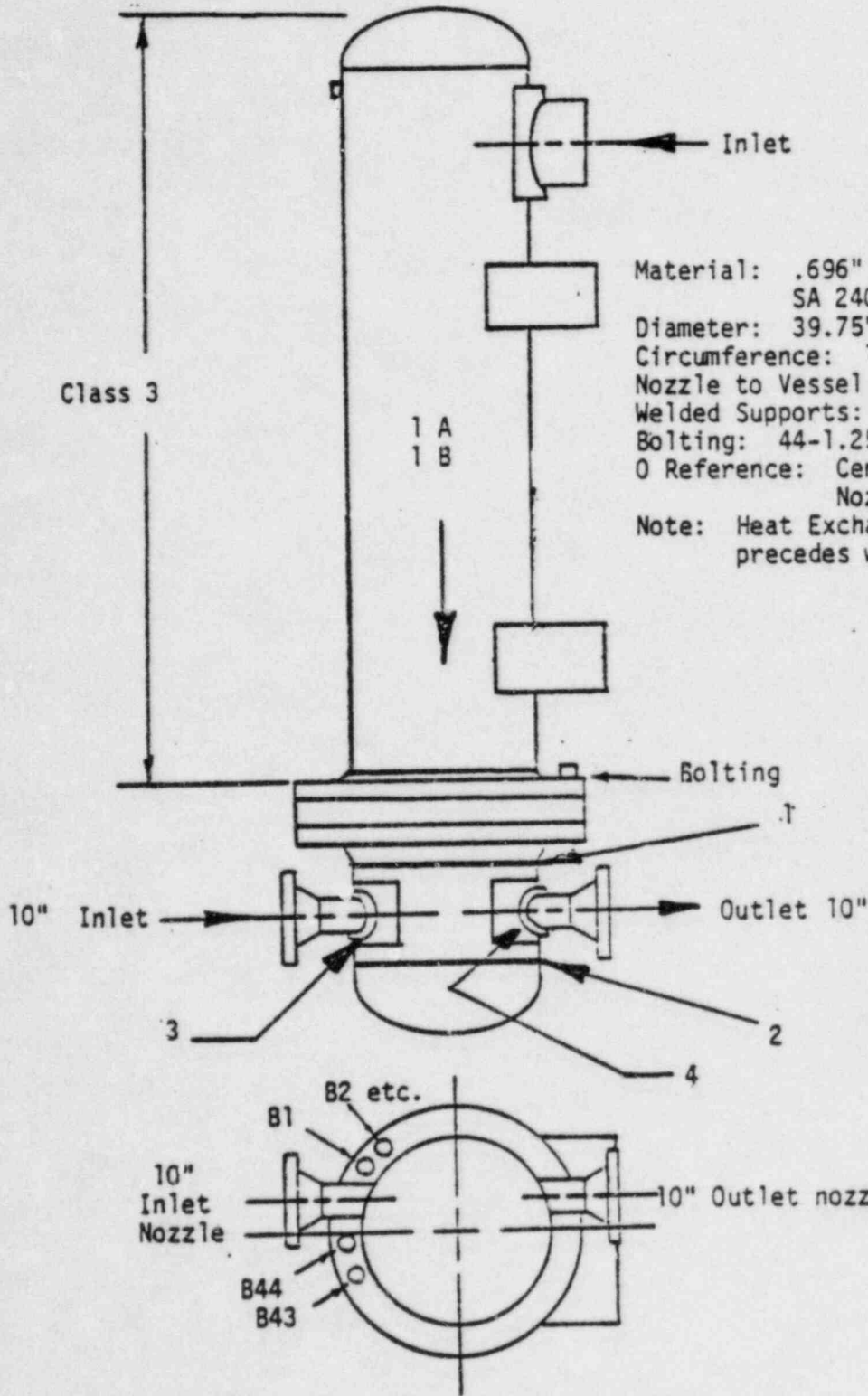
* Number is preceded by 'B' (Bolts) or 'Lig' (Ligaments) as applicable.
Welds 4 and 7 not structural discontinuities.

Bolting: 20 bolts - 1.25" Diameter each Manway.
Material: SA533 Grade A Class 2 - Thickness is in minimum inches.
Welded Supports: Not Applicable

183

HORIZONTAL RHR HEAT EXCHANGERS (2)

Illustrative Only



Material: .696" Min 'T'
 SA 240TP304SS
 Diameter: 39.75"
 Circumference: 124.878"
 Nozzle to Vessel Welds: 10" Diameter
 Welded Supports: Not Applicable
 Bolting: 44-1.25" Diameter
 0 Reference: Centerline of 10" Inlet Nozzle
 Note: Heat Exchanger Identification precedes weld and bolt

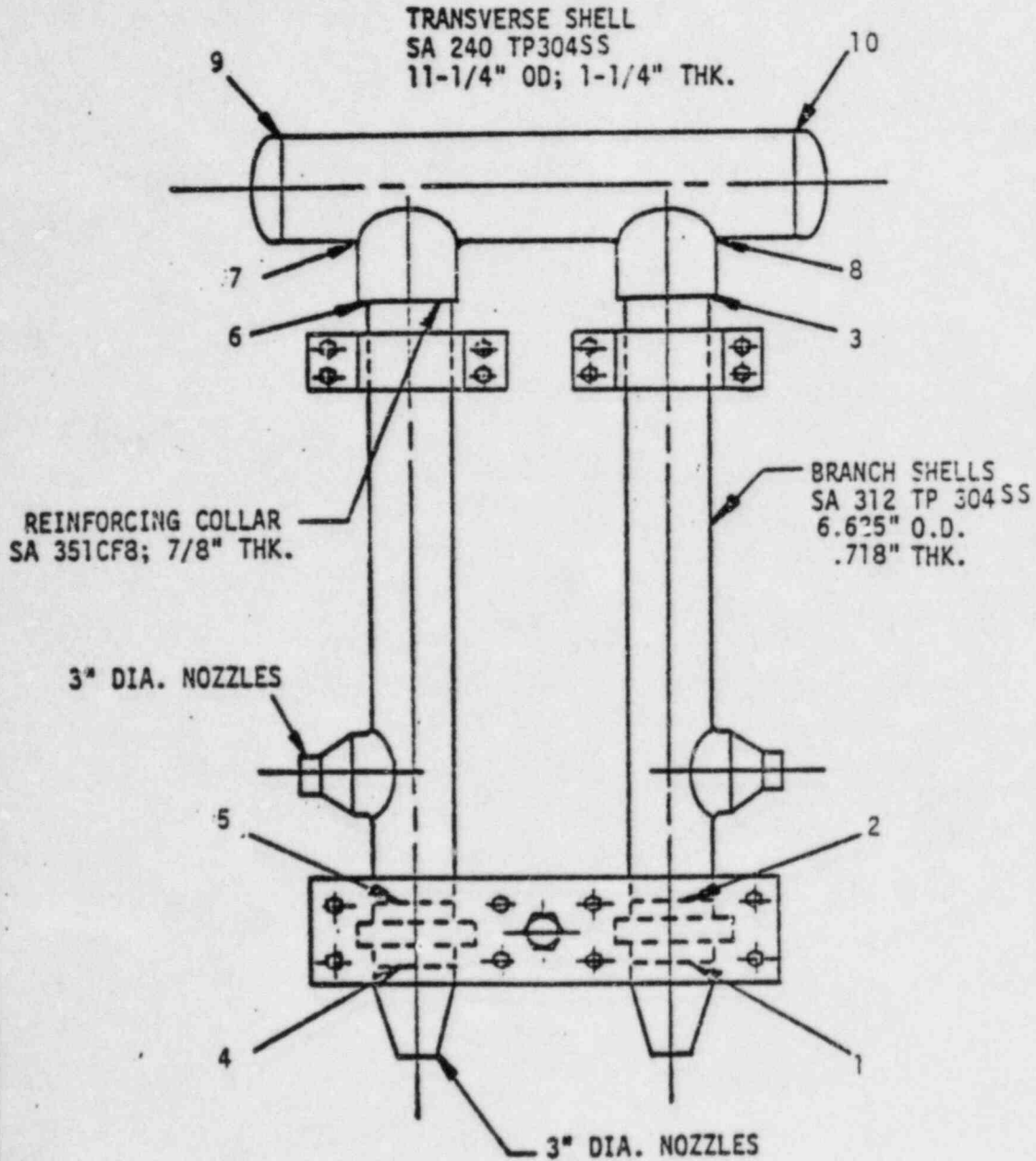
202

REGENERATIVE HEAT EXCHANGER

CGE-2-1120

ILLUSTRATIVE ONLY

Material: Shell SA 240TP304SS; SA 312TP304SS; SA 351CF8
 Nozzle to Vessel Welds: 3" Diameter
 Welded Supports: Not Applicable
 Bolting: Not Applicable
 0 Reference: Top centerline of Weld

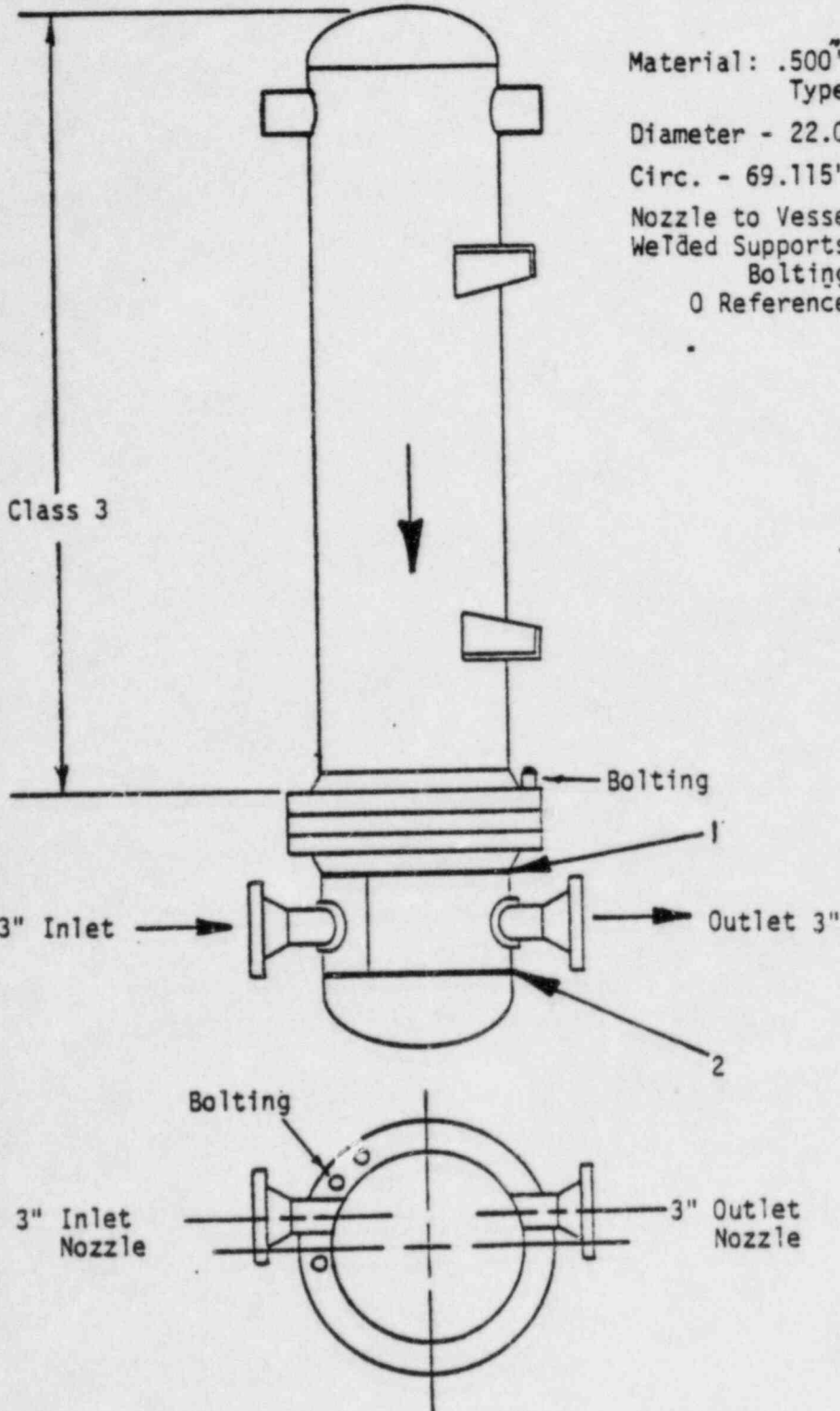


FORM 48446

Illustrative Only

LETDOWN HEAT EXCHANGER

FORM 46



Material: .500" T SA-249-
Type-304SS

Diameter - 22.0" O.D.

Circ. - 69.115"

Nozzle to Vessel Welds 3" Diameter

Welded Supports: Not Applicable

Bolting: 28 - 1.0" Diam.

0 Reference: Centerline of 3" Inlet Nozzle

Class 3

Bolting

1

3" Inlet

Outlet 3"

2

Bolting

3" Inlet Nozzle

3" Outlet Nozzle

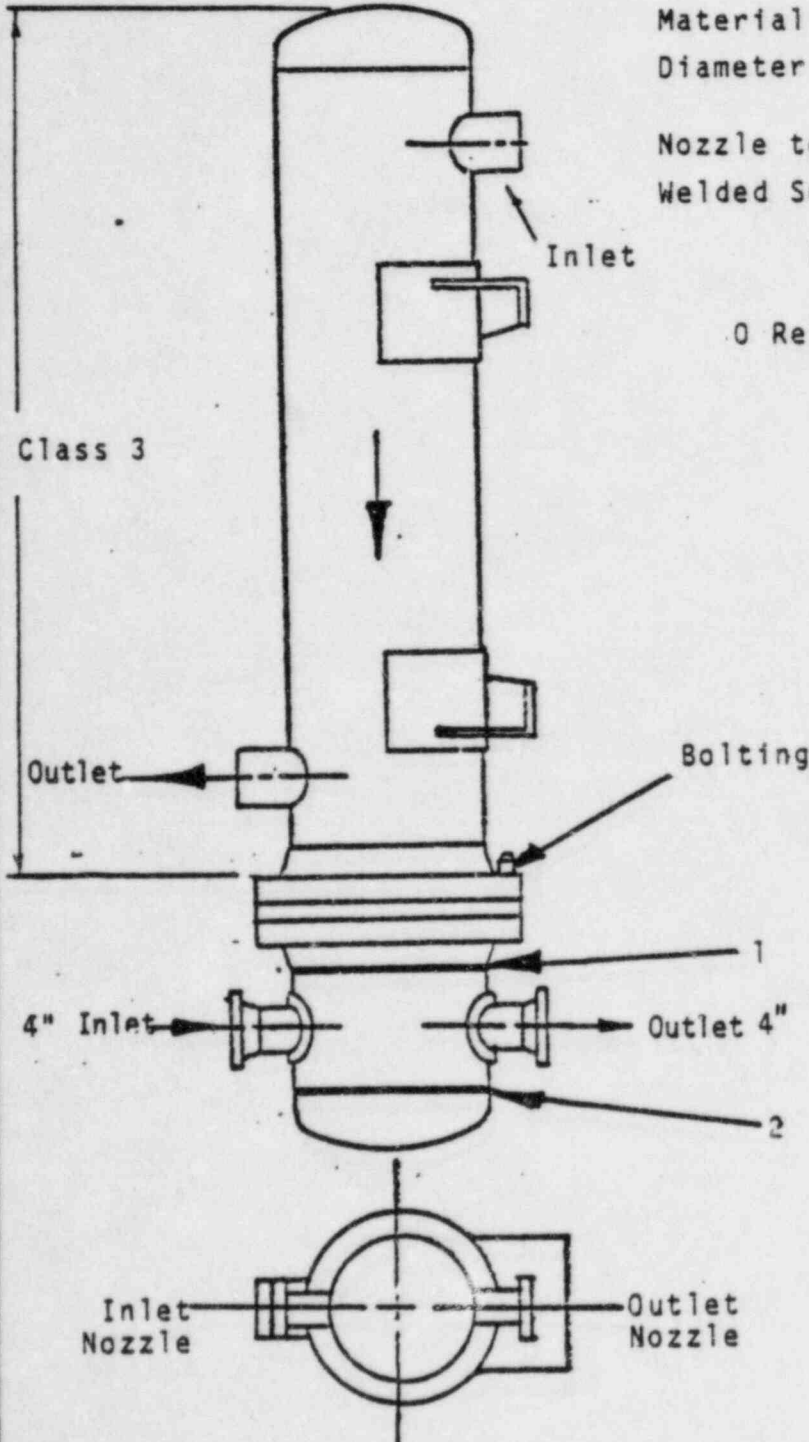
ent

LETDOWN REHEAT HEAT EXCHANGER

CGE-2-1140

ILLUSTRATIVE ONLY

FORM AF



Material: .1875" T SA 240TP304SS
 Diameter: 8.625" Circumference 27.09"

Nozzle to Vessel Welds: 4" Diameter
 Welded Supports: Not Applicable

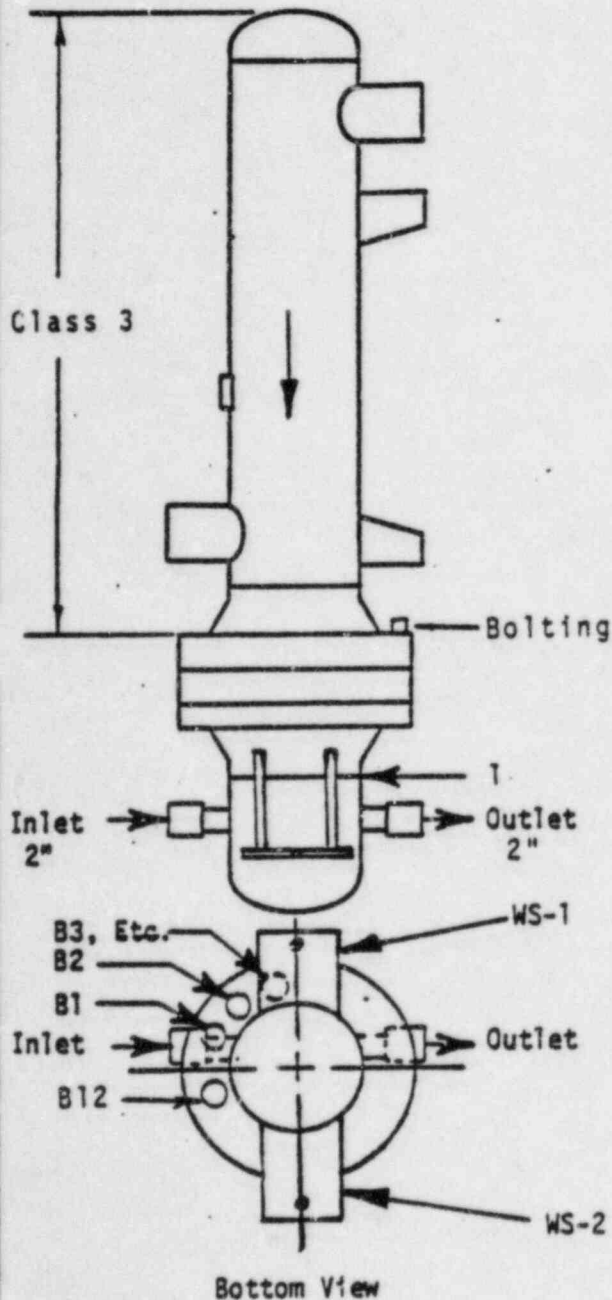
Bolting: 12 - .750" Diam.

0 Reference: Centerline of Inlet Nozzle

ILLUSTRATIVE ONLY

CGE-2-1150

EXCESS LETDOWN HEAT EXCHANGER



Material: .750\" TP SA-240 TP316SS
Diameter: 9.5\" O.D.

Circ.: 29.85\"

Nozzle to Vessel Welds: 2\" Diameter

Welded Supports: 2

Bolting: 12 - 1.625\" Diameter

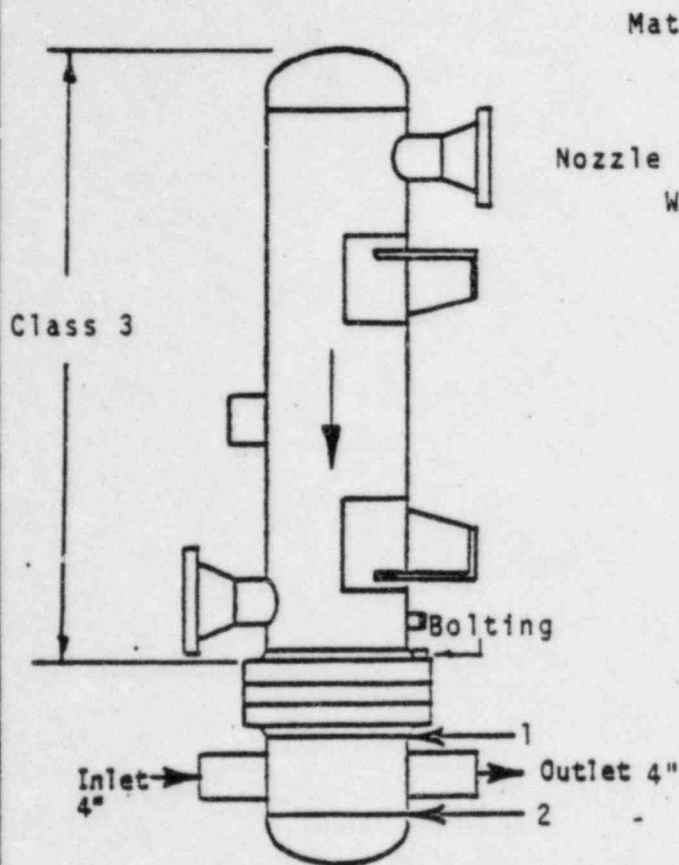
0 Reference: Centerline of 2\" Inlet nozzle

245

ILLUSTRATIVE ONLY

CGE-2-1160

SEAL WATER HEAT EXCHANGER



Material: .1875" T SA240TP304SS

Diameter 20"

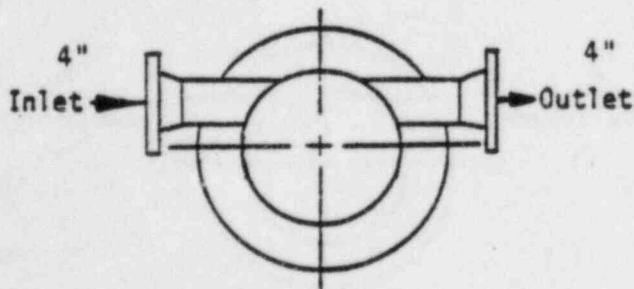
Circumference 62.83"

Nozzle to Vessel Welds: 4" Diameter

Welded Supports: Not Applicable

Bolting: 20 - .750" Diam.

0 Reference: Centerline of 4" Inlet Nozzle

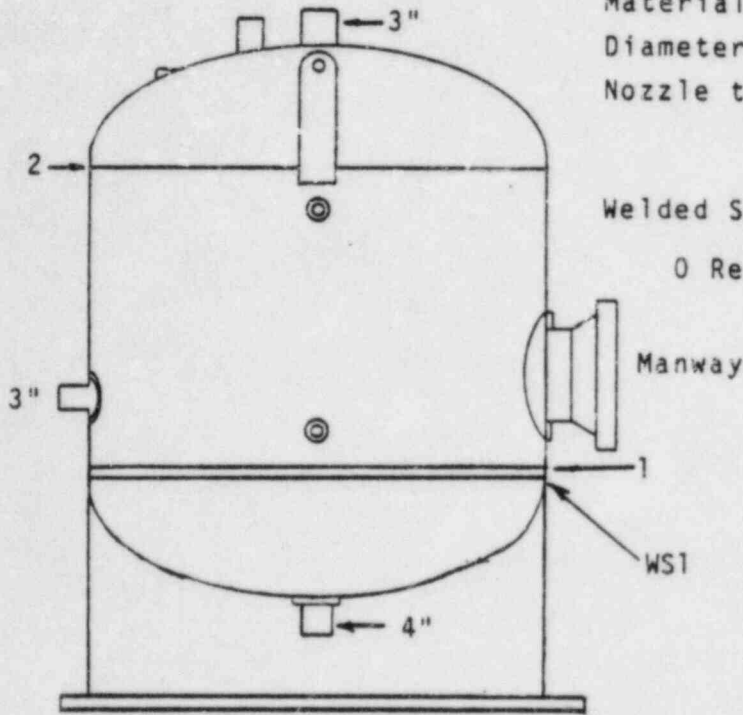


400

ILLUSTRATIVE ONLY

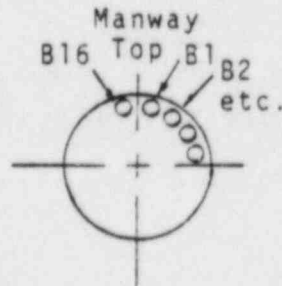
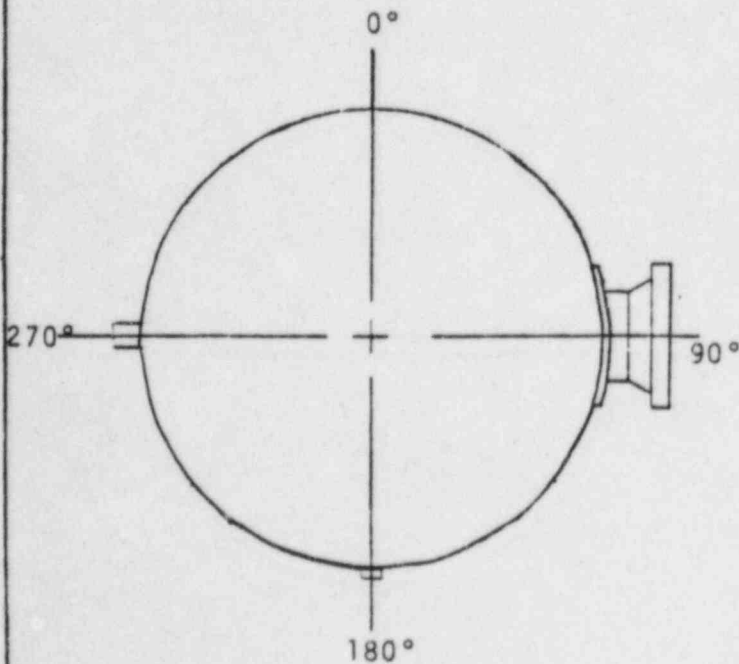
CGE-2-1200

VOLUME CONTROL TANK



Material: .312" T SA240TP304SS
Diameter: 90.624" Circumference 284.7"
Nozzle to Vessel Welds: 4" Diameter
3" Diameter

Welded Supports: Support Skirt
Bolting: 16 - 1.0" Diameter
0 Reference: Centerline of Manway



906

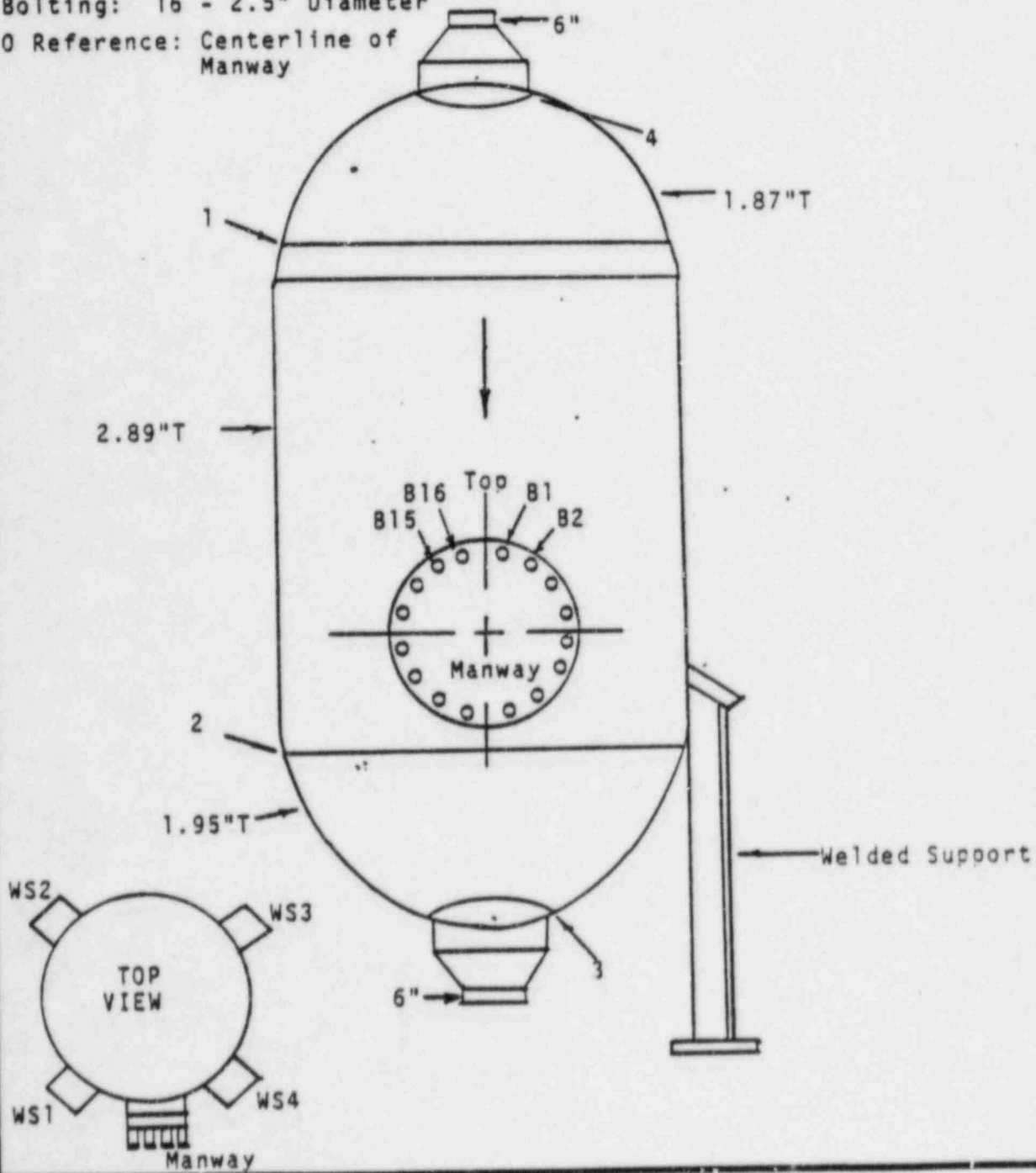
WESTINGHOUSE ELECTRIC CORPORATION

ILLUSTRATIVE ONLY

CGE-2-1210

BORON INJECTION TANK

Material: Head SA 240TP304SS Shell: SA 351CF8A
 Nozzle to Vessel Welds: 6" Diameter 54"
 Circumference 168.48"
 Welded Supports: 4
 Bolting: 16 - 2.5" Diameter
 0 Reference: Centerline of Manway



FORM 48448

217

ILLUSTRATIVE ONLY

CGE-2-1220

ACCUMULATOR TANKS 1, 2 & 3

Material: SA 264 C.S. Diameter 125" Circumference 392.5"

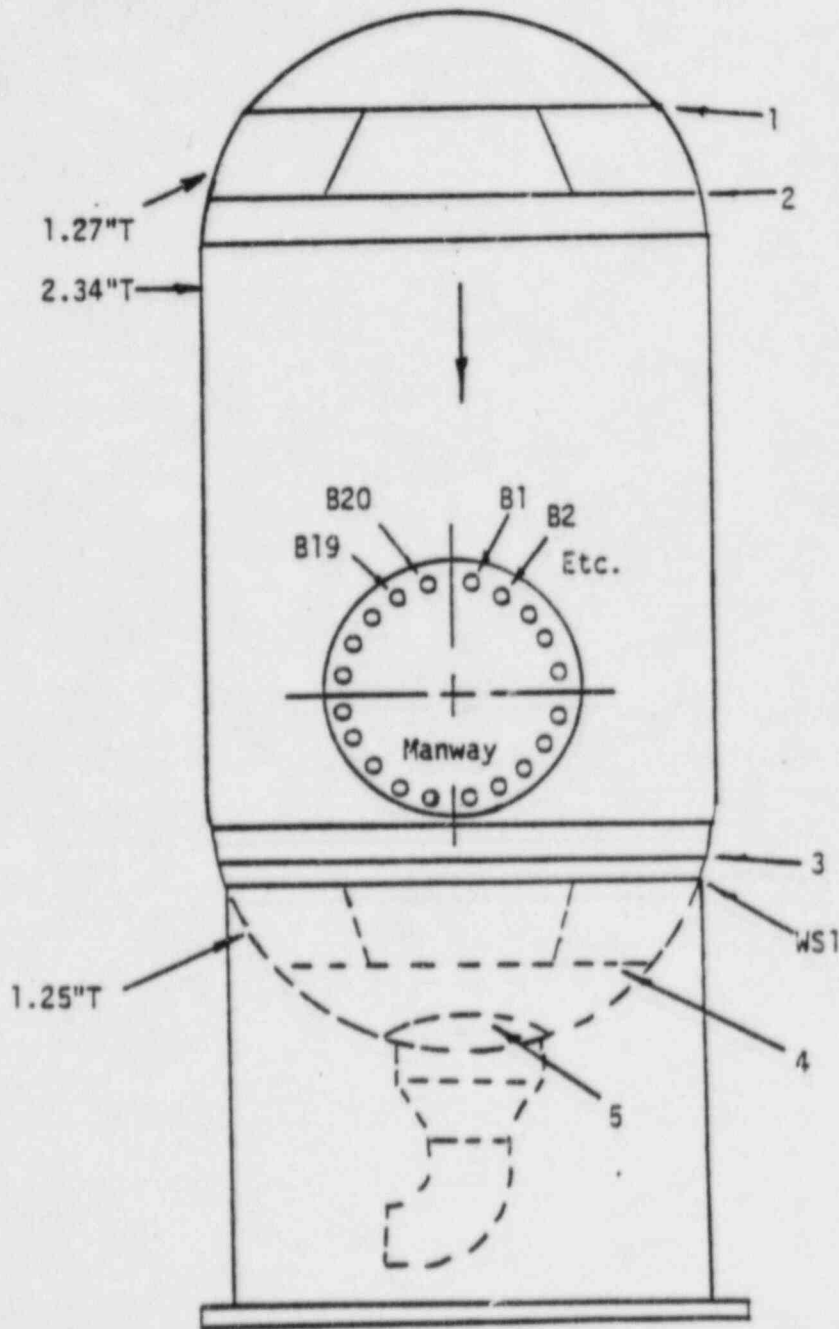
Nozzle to Vessel Welds: 12" Diameter

Welded Supports: Support Skirt

Bolting: 20 - 1.375" Diameter

0 Reference: Centerline of Manway

Note: Tank designation precedes weld, support and bolt number.



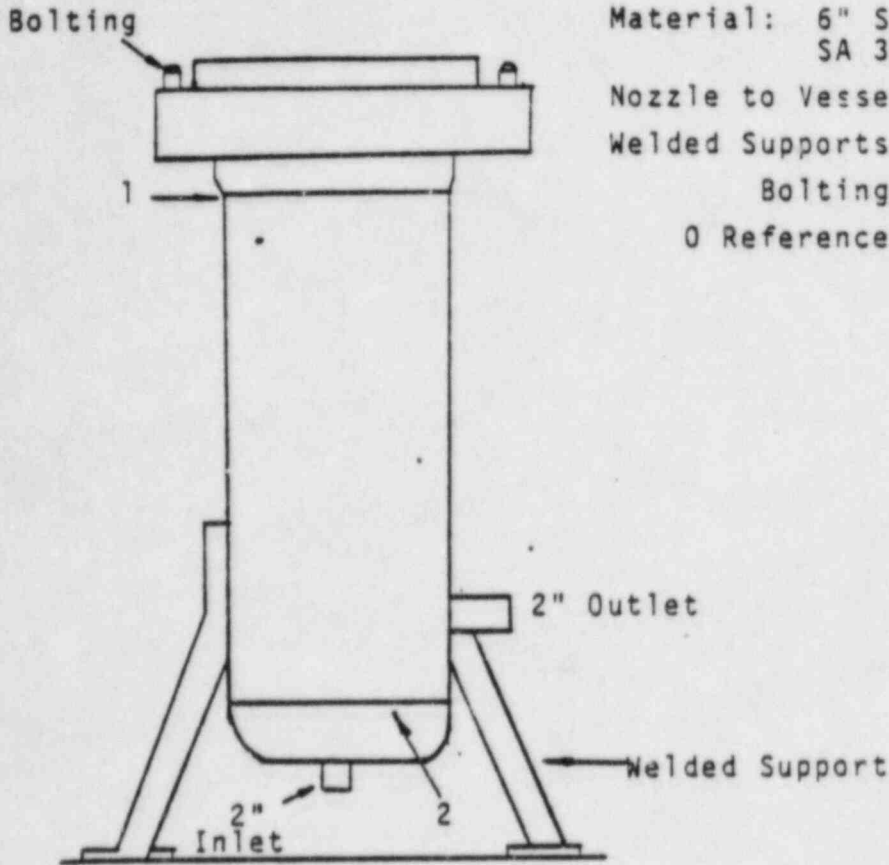
FORM 4847

283

ILLUSTRATIVE ONLY

CGE-2-1310

REACTOR COOLANT FILTER

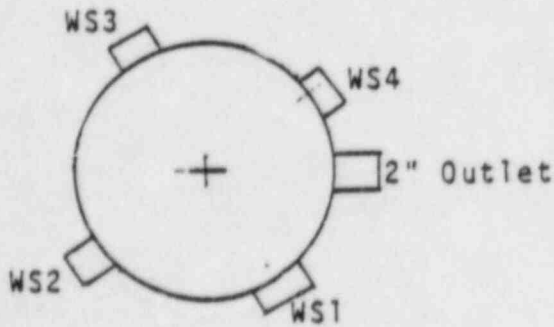


Material: 6" Sch. 10S .134" T
SA 312TP304SS

Nozzle to Vessel Welds: 2" Diameter
Welded Supports: 4

Bolting: 4 - .625" Diameter

0 Reference: Centerline of 2"
Outlet

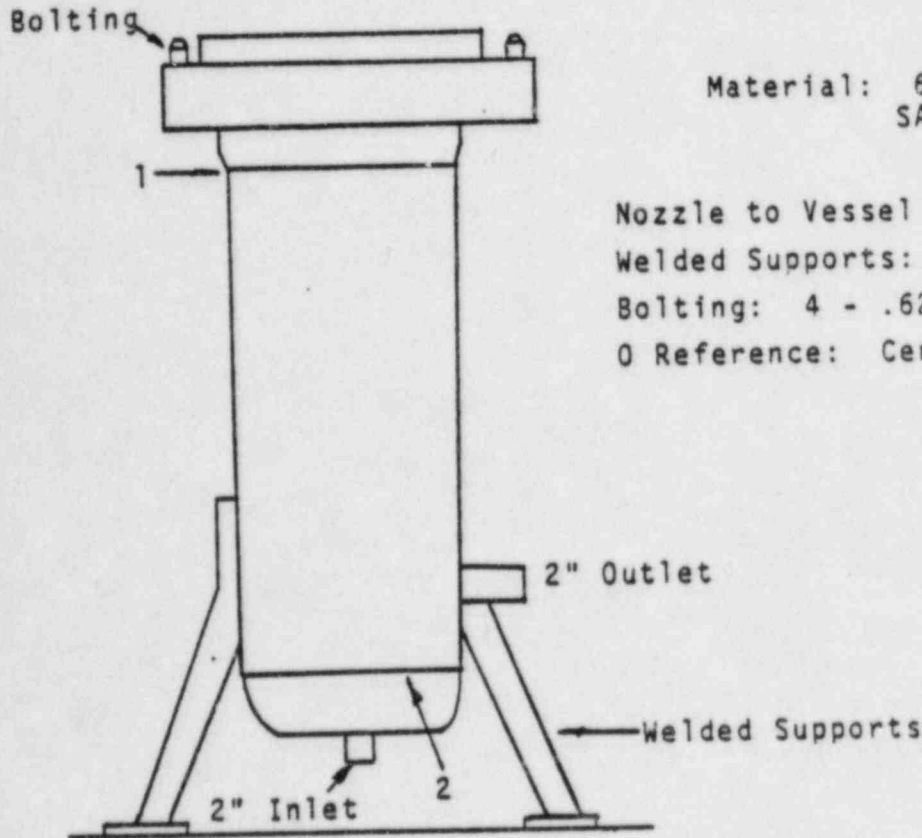


240

ILLUSTRATIVE ONLY

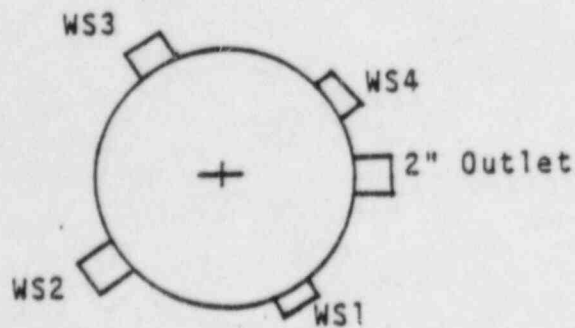
CGE-2-1320

SEAL WATER RETURN FILTER



Material: 6" Sch. 10S .134" T
SA 312TP304SS

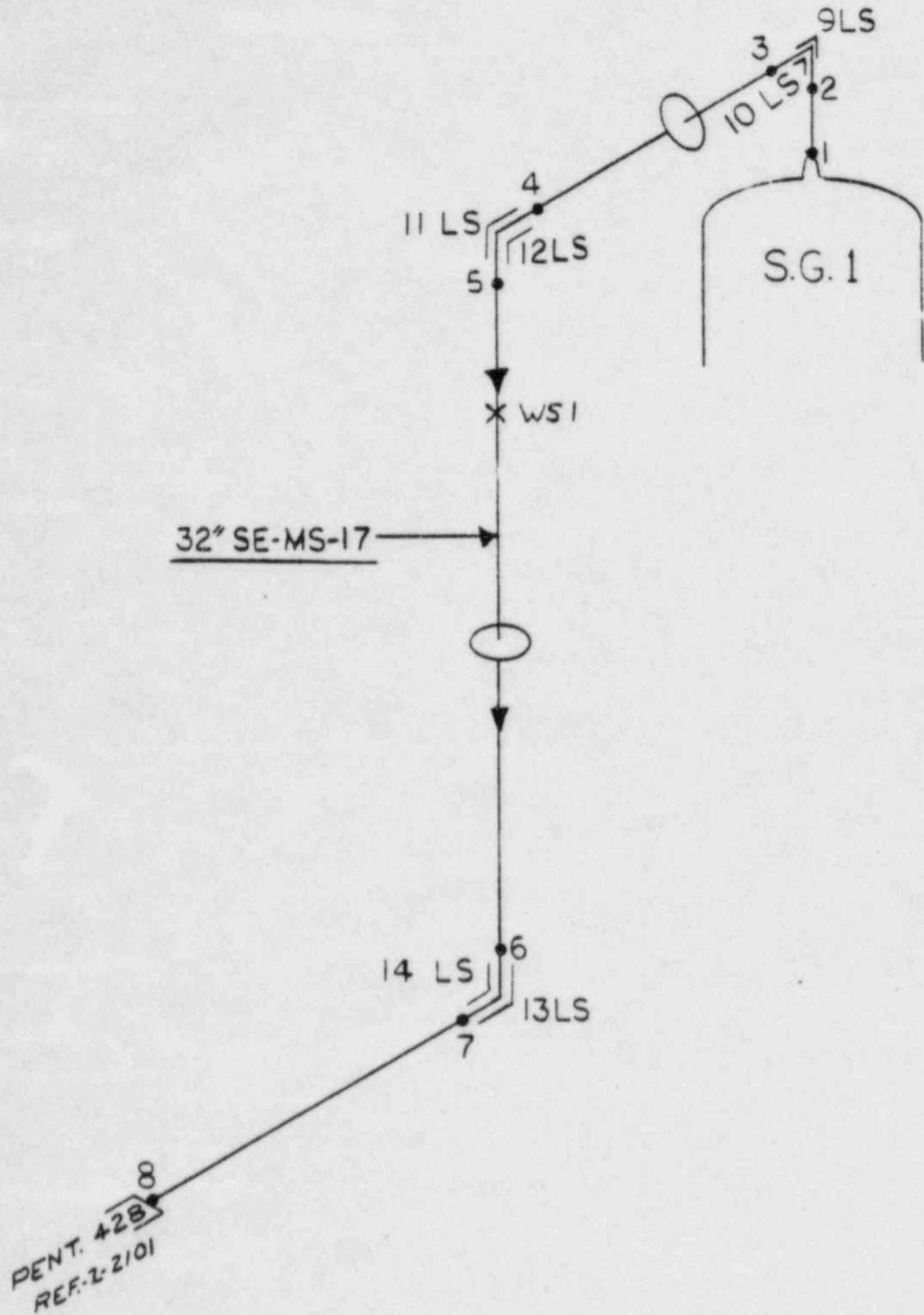
Nozzle to Vessel Welds: 2" Diameter
Welded Supports: 4
Bolting: 4 - .625" Diameter
0 Reference: Centerline of 2" Outlet



MAIN STEAM

32"-1.15 T CS

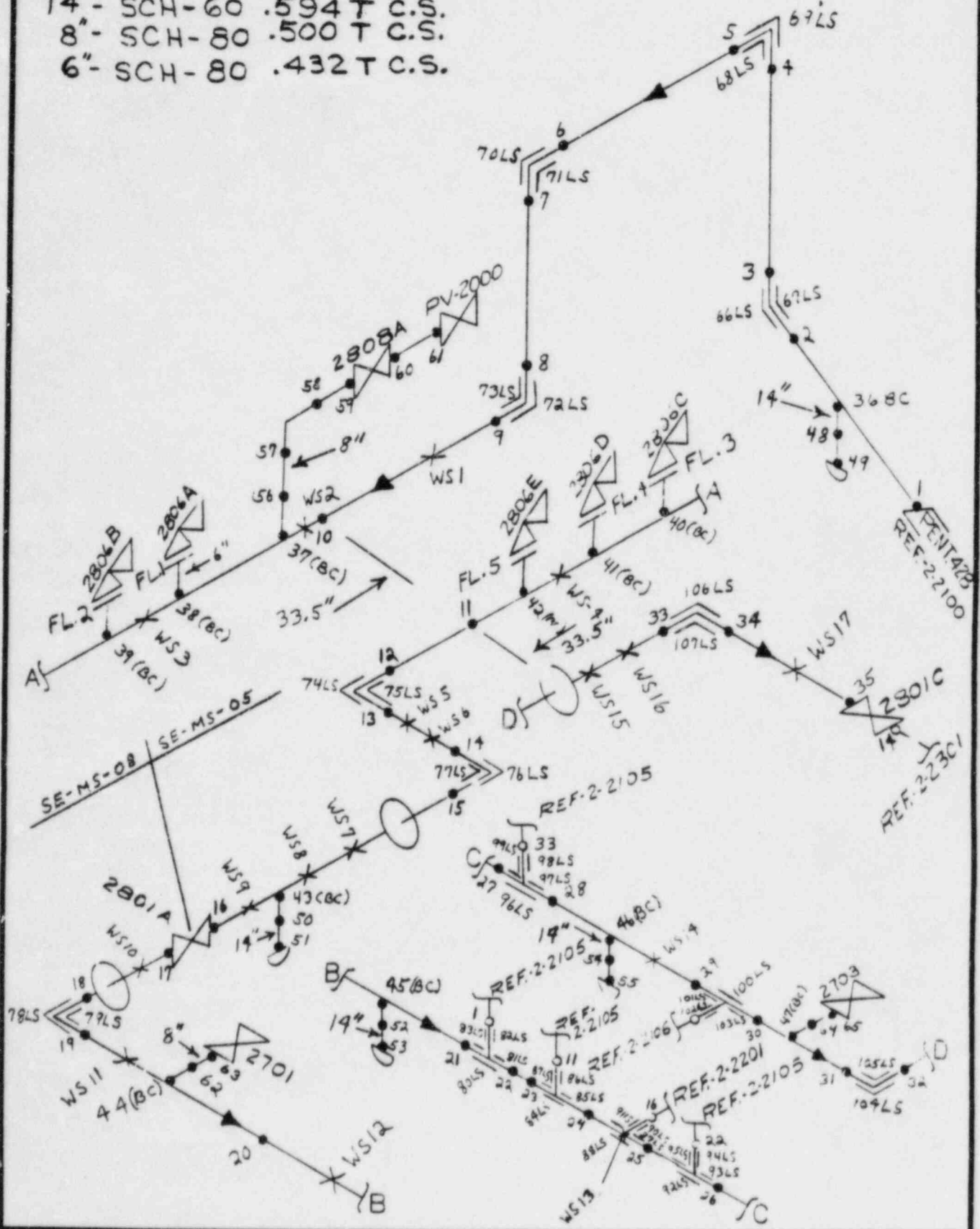
FORM 4844



MAIN STEAM

- 32" - 1.15 T.C.S. 33.5" - 1.90 T.C.S.
- 14" - SCH-60 .594 T.C.S.
- 8" - SCH-80 .500 T.C.S.
- 6" - SCH-80 .432 T.C.S.

FORM 5

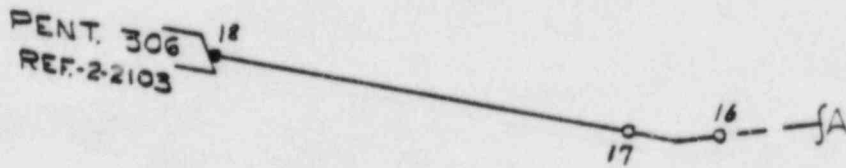
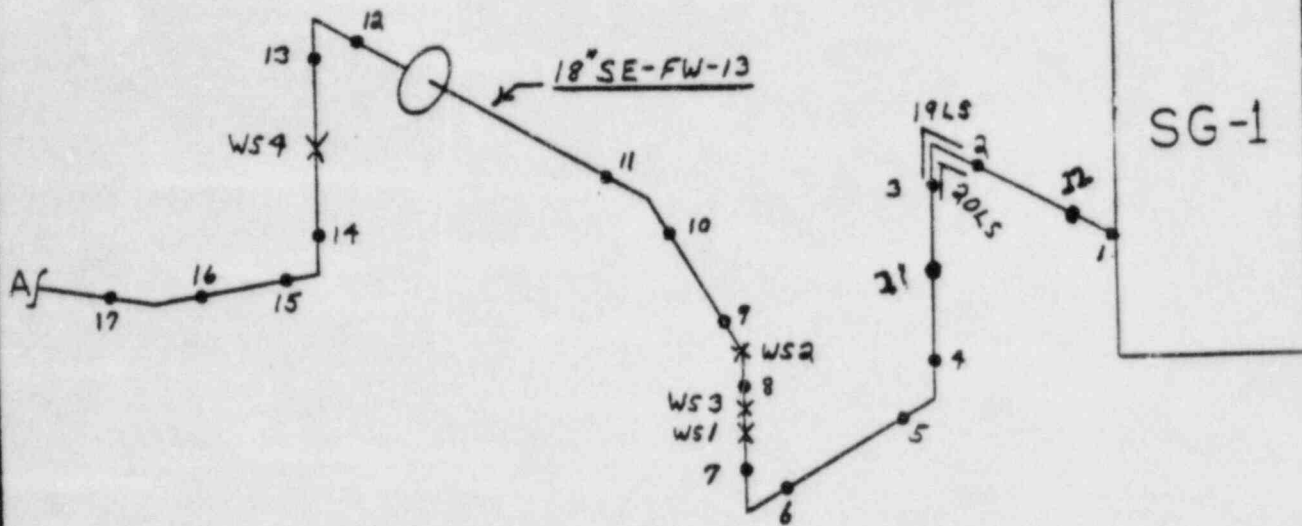


32"

FEEDWATER

18" SCH-80 .938T C.S.

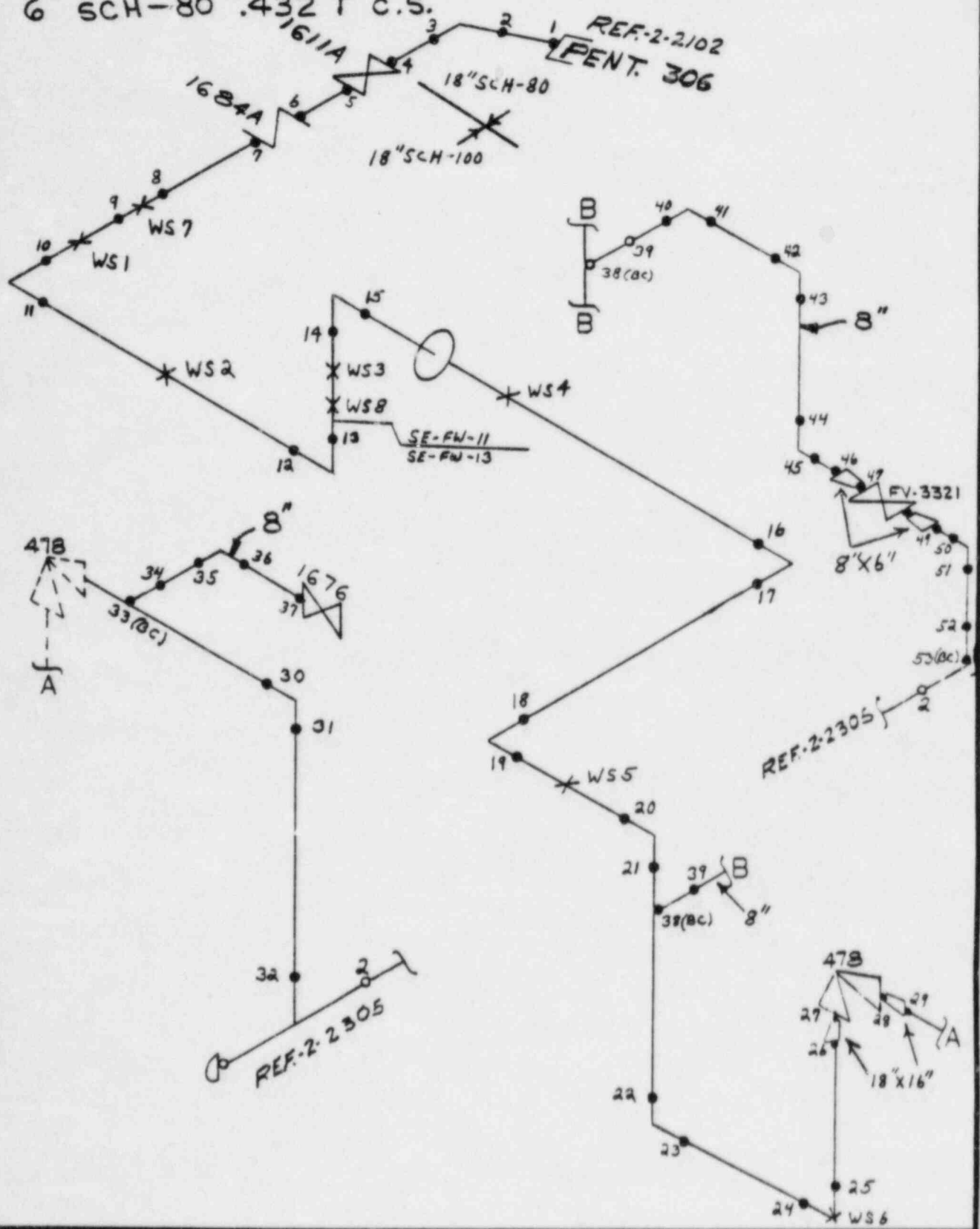
FORM 4844B



Note: WS-3 Welded Insulation Nuts

FEEDWATER

18" SCH-80 .938 T C.S. 18" SCH-100 1.156 T C.S.
 8" SCH-100 .594 T C.S.
 6" SCH-80 .432 T C.S.

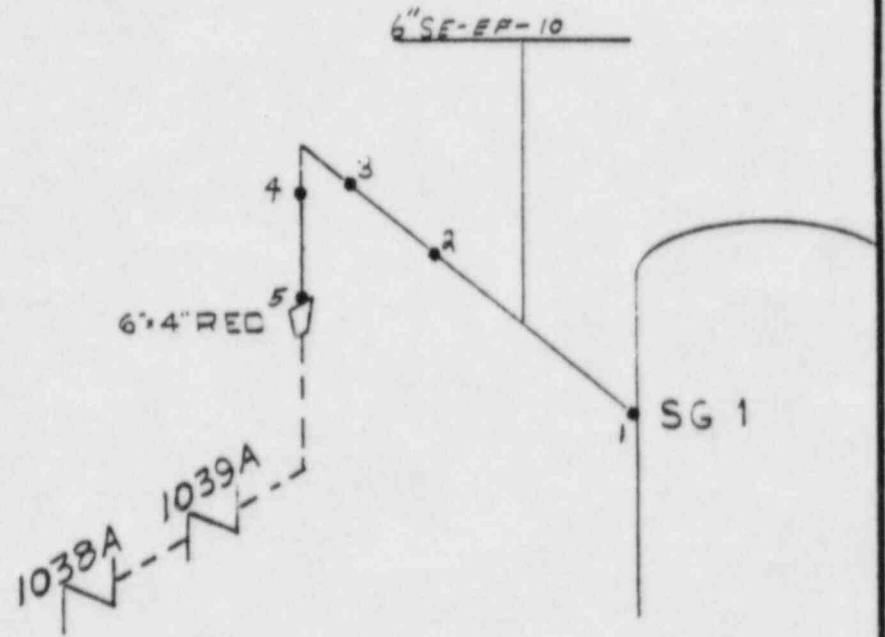


FORM

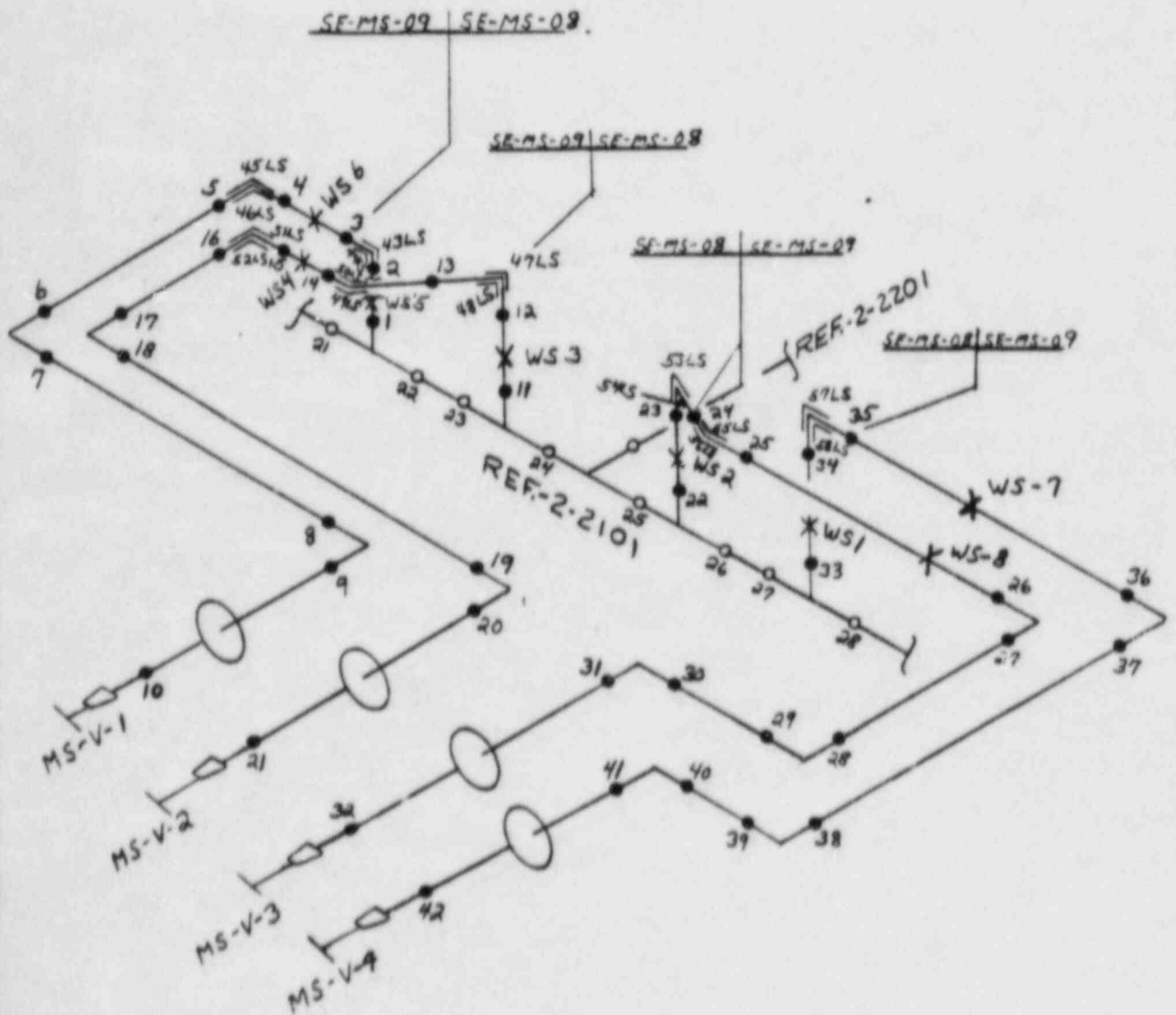
6" AUXILIARY FEEDWATER

6" SCH-80 432 T CS

FORM 400-19



MAIN STEAM 30" I.125T C.S.



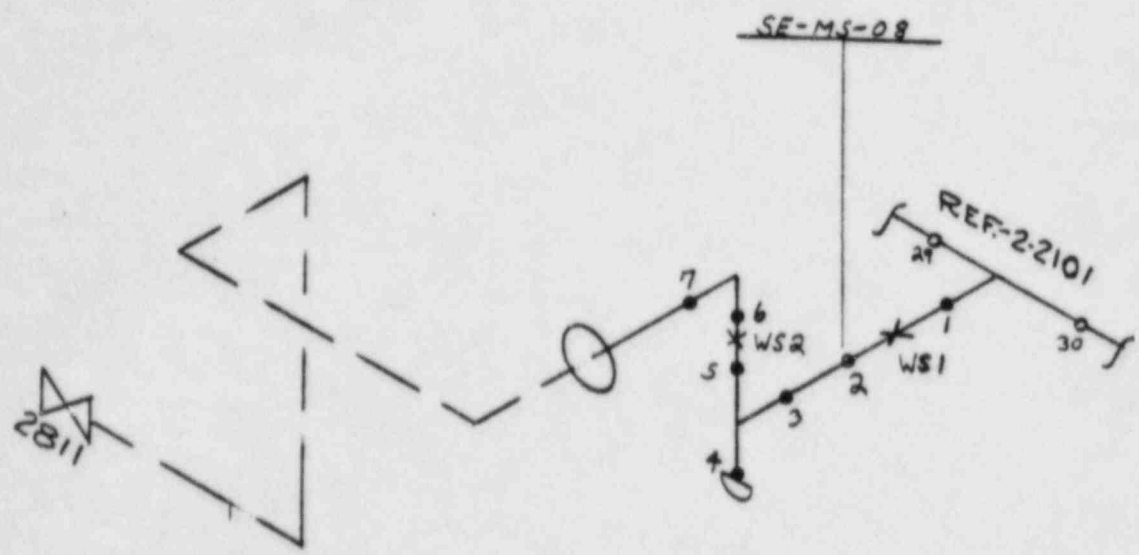
FORM 48446

4

FORM 4844B

MAIN STEAM

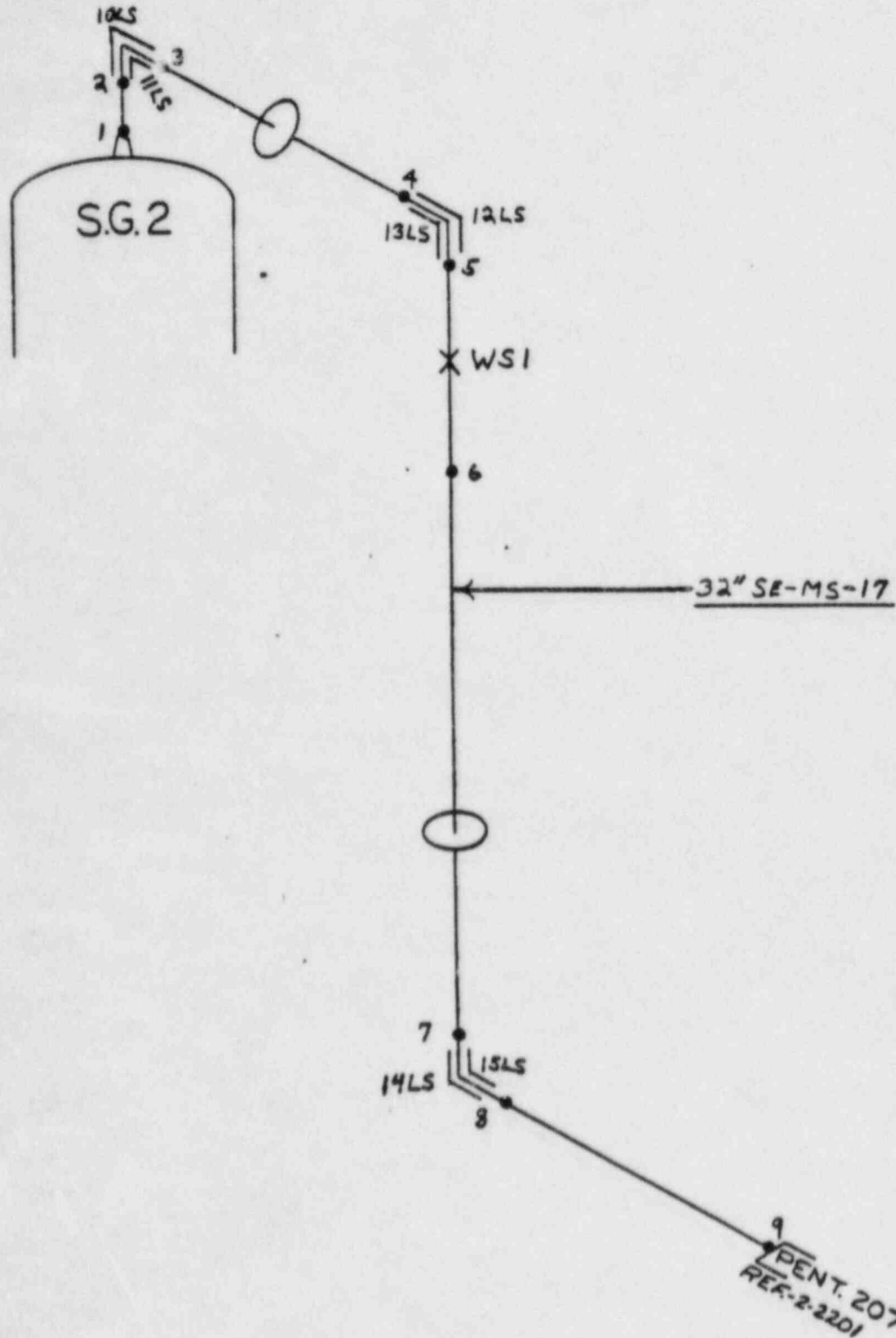
24" SCH-80 1.218 T C.S.



MAIN STEAM

32" - 1.15 T C.S.

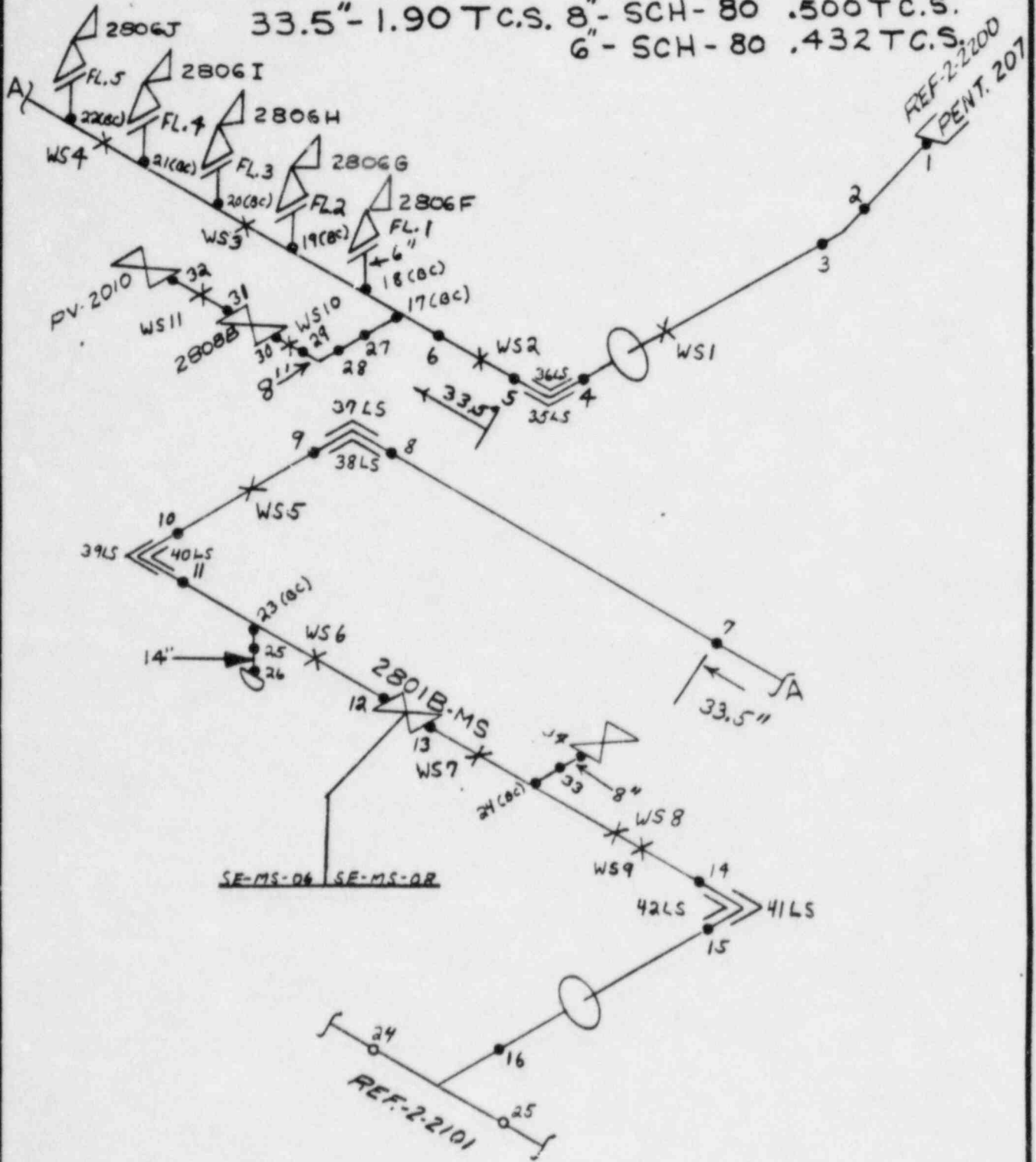
FORM 48446



400

MAIN STEAM

32" - 1.15 T.C.S. 14" - SCH-60 .594 T.C.S.
 33.5" - 1.90 T.C.S. 8" - SCH-80 .500 T.C.S.
 6" - SCH-80 .432 T.C.S.



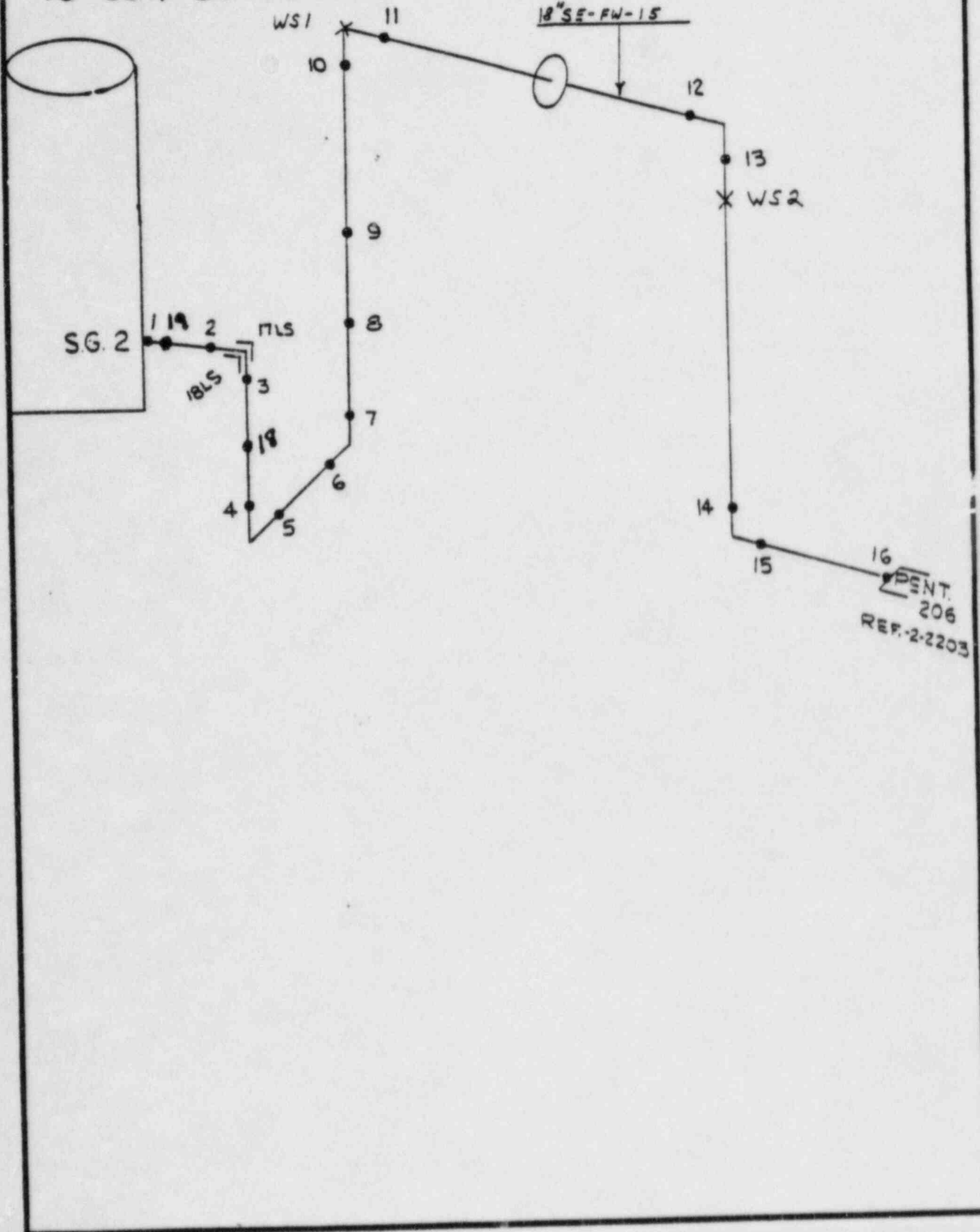
FORM #

46

FEEDWATER

18" SCH-80 .938 T C.S.

FORM 48446



PENT.
206
REF. 2-2203

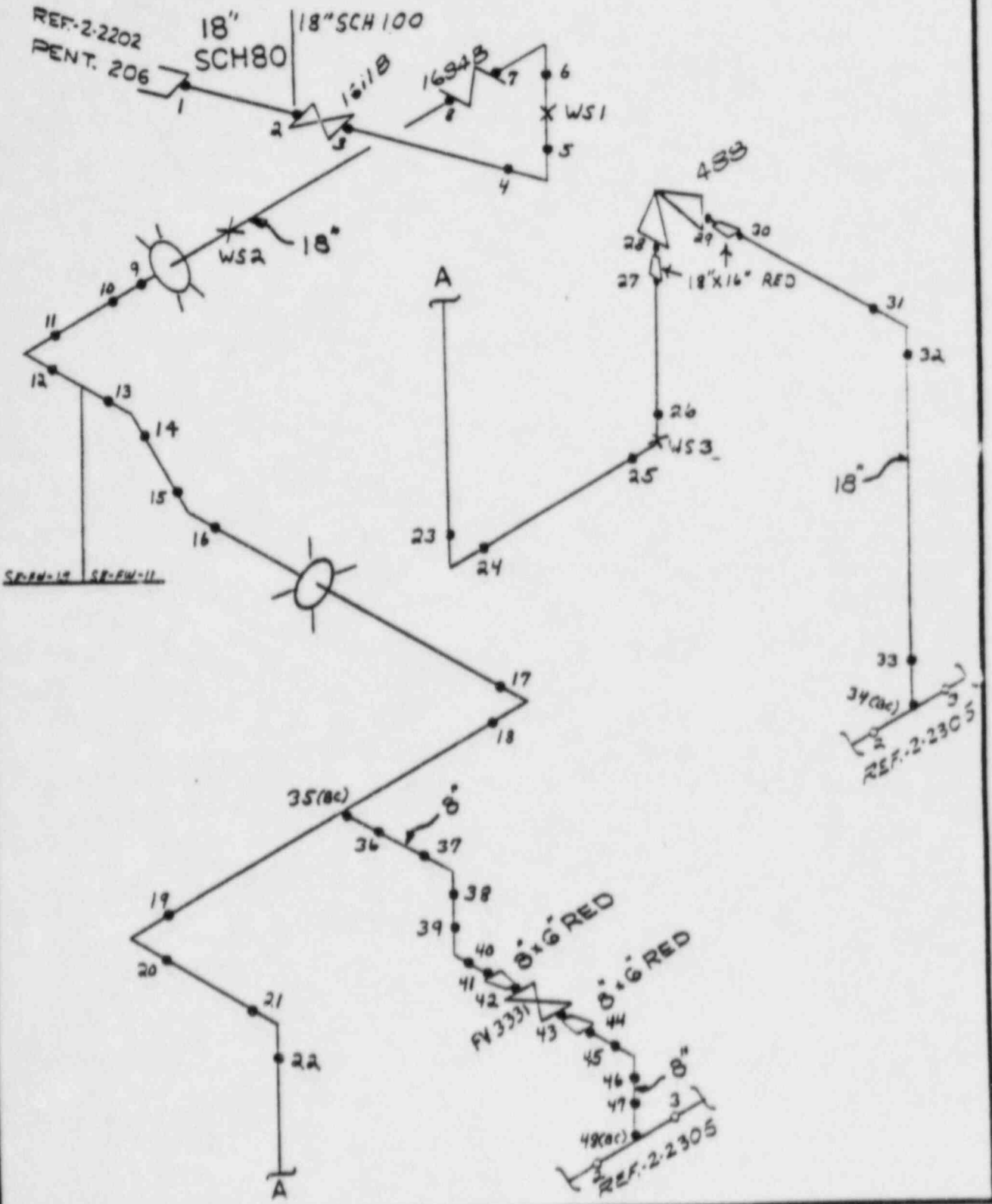
481

FEEDWATER

18" SCH-100 1.156 T C.S.
18" SCH-80 .938 T C.S.

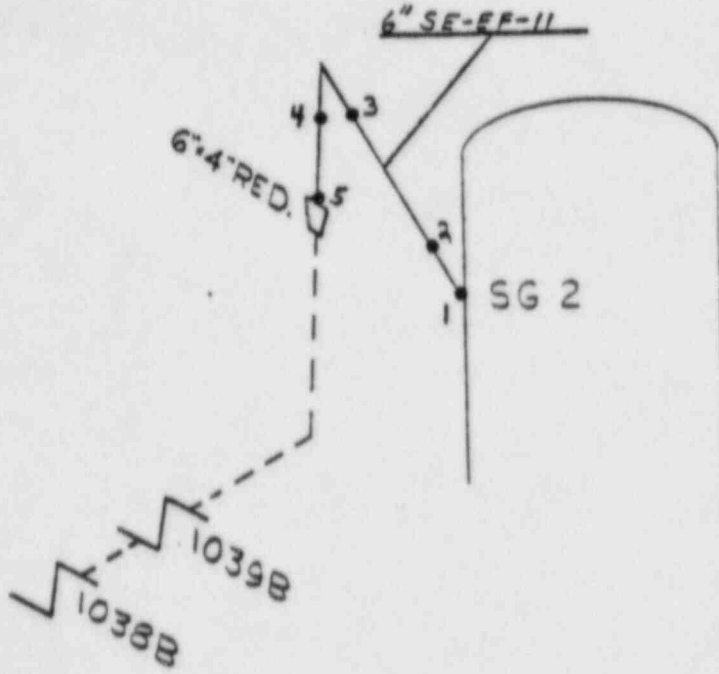
8" SCH-100 .594 T C.S.
6" SCH-80 .432 T C.S.

FORM 4844



AUXILIARY FEEDWATER

6" SCH-80 .432 T C.S.



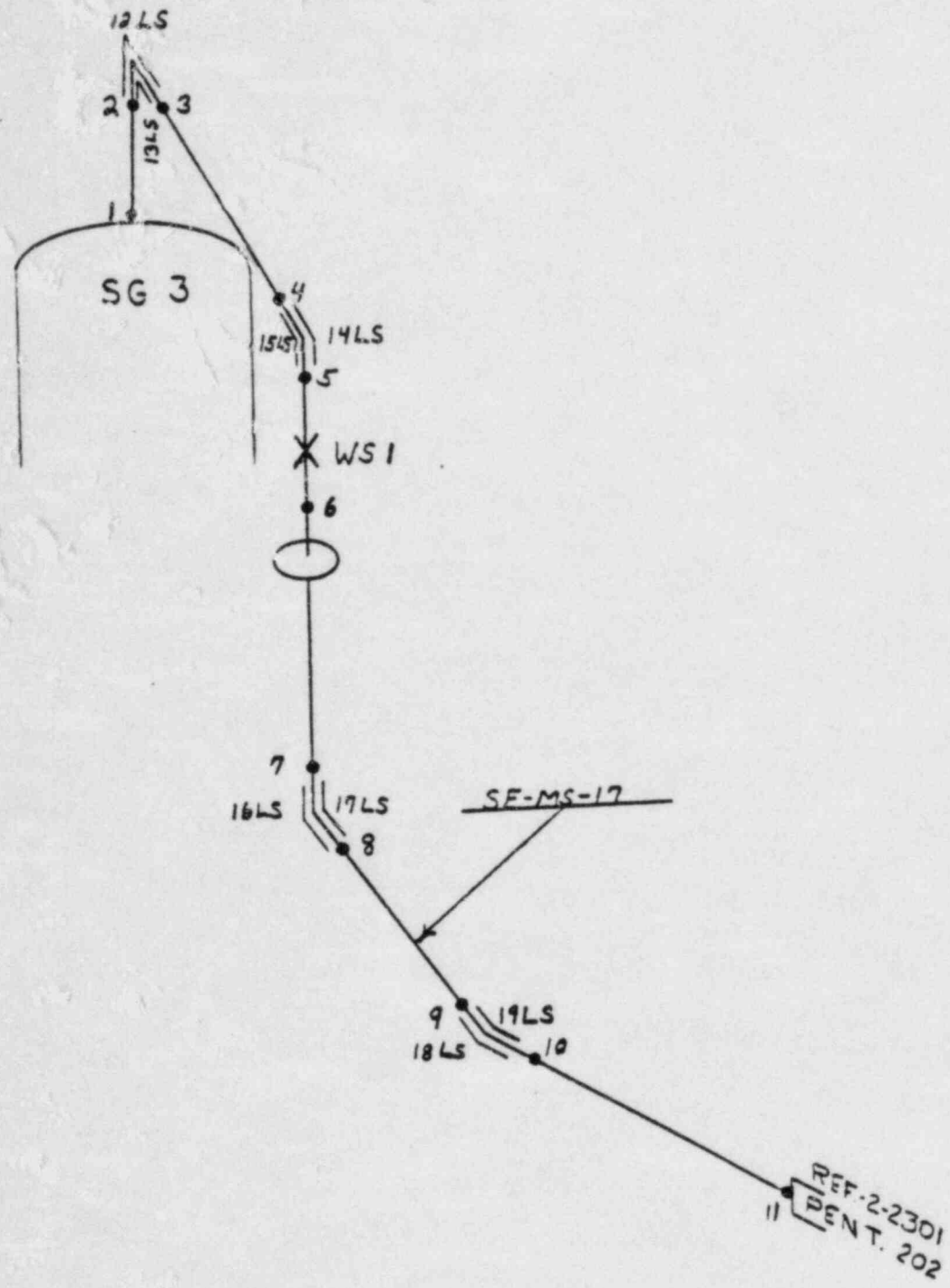
FORM 4847

7
See

MAIN STEAM

32" 1.15 T C.S.

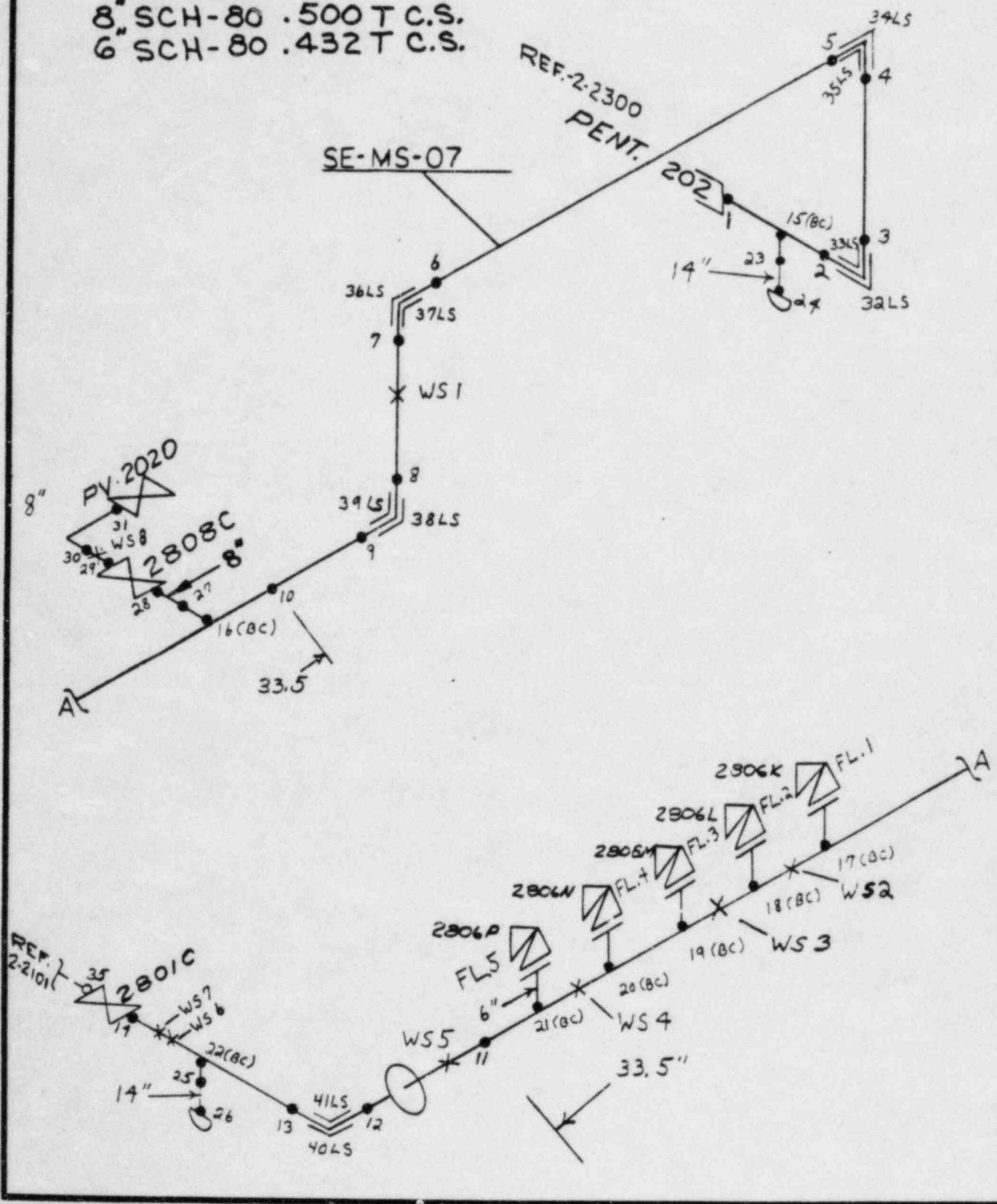
FORM 48466



MAIN STEAM

- 32" 1.15 T C.S.
- 33.5" 1.90 T C.S.
- 14" SCH-60 .594 T C.S.
- 8" SCH-80 .500 T C.S.
- 6" SCH-80 .432 T C.S.

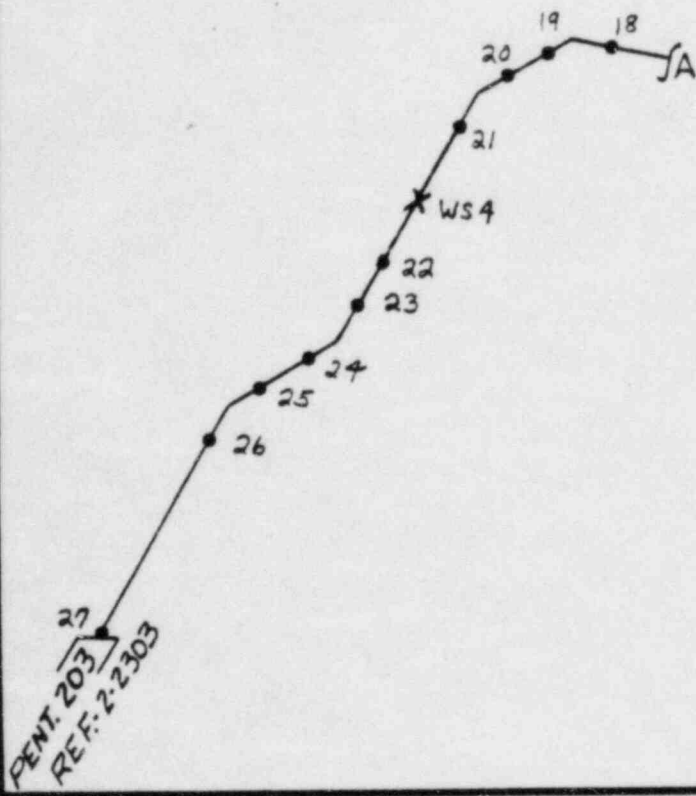
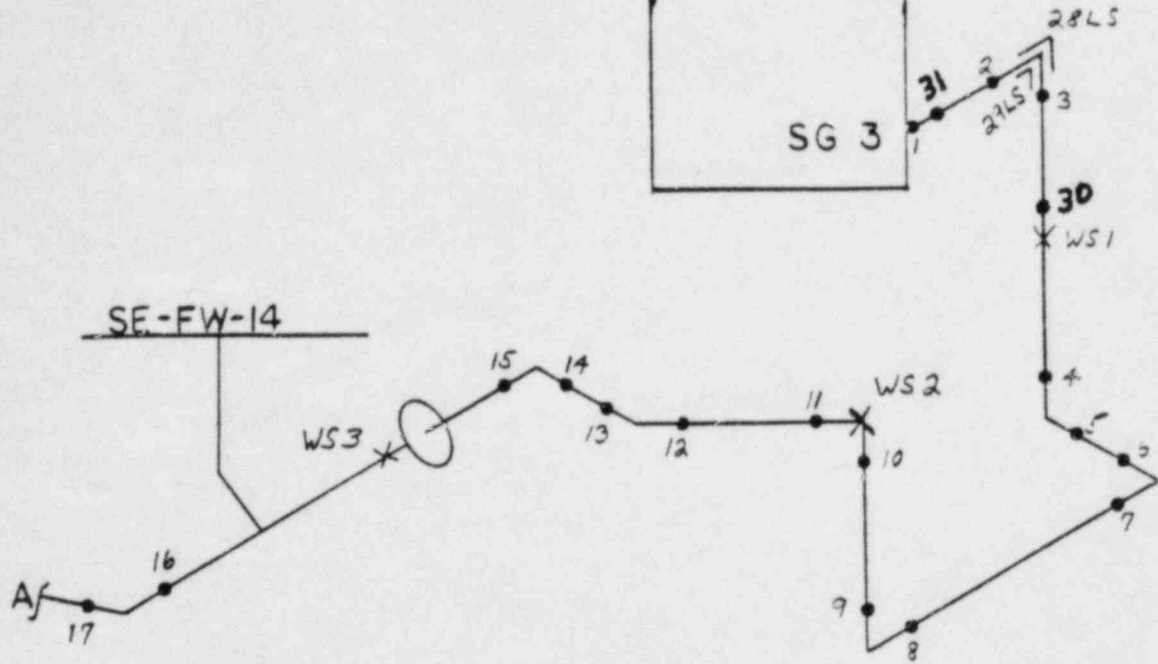
FORM 487



557

FEEDWATER

18" SCH-80
.938 T C.S.



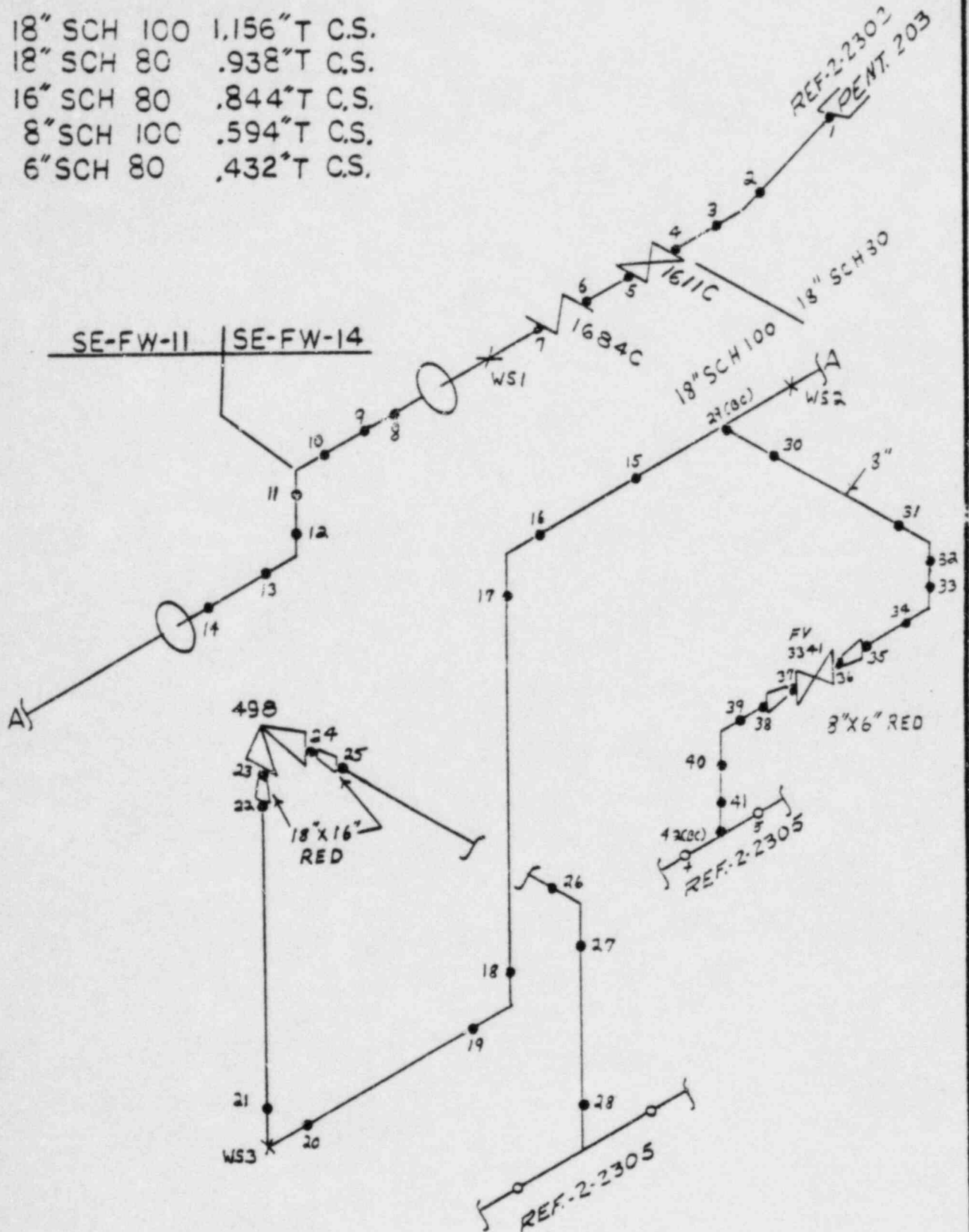
FORM 4644

U-7

FEEDWATER

18" SCH 100	1.156" T C.S.
18" SCH 80	.938" T C.S.
16" SCH 80	.844" T C.S.
8" SCH 100	.594" T C.S.
6" SCH 80	.432" T C.S.

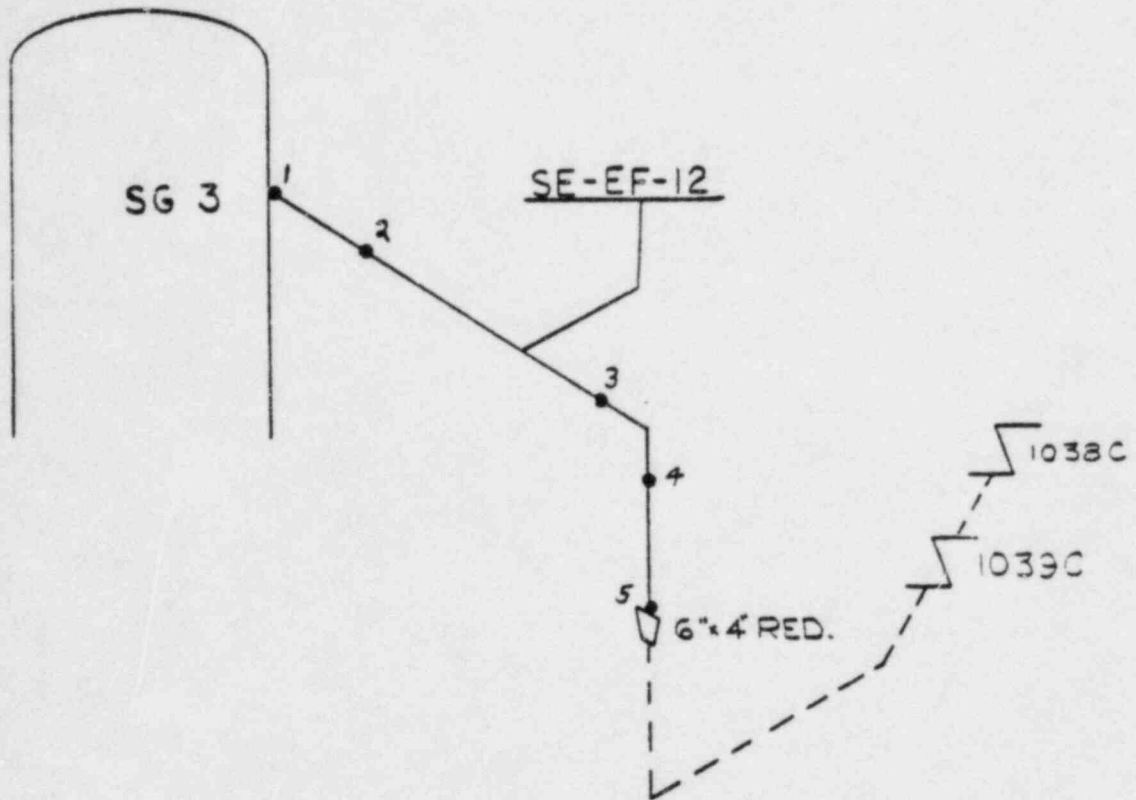
FORM 484



AUXILIARY FEEDWATER

6" SCH-80 .432 T C.S.

FORM 4844B

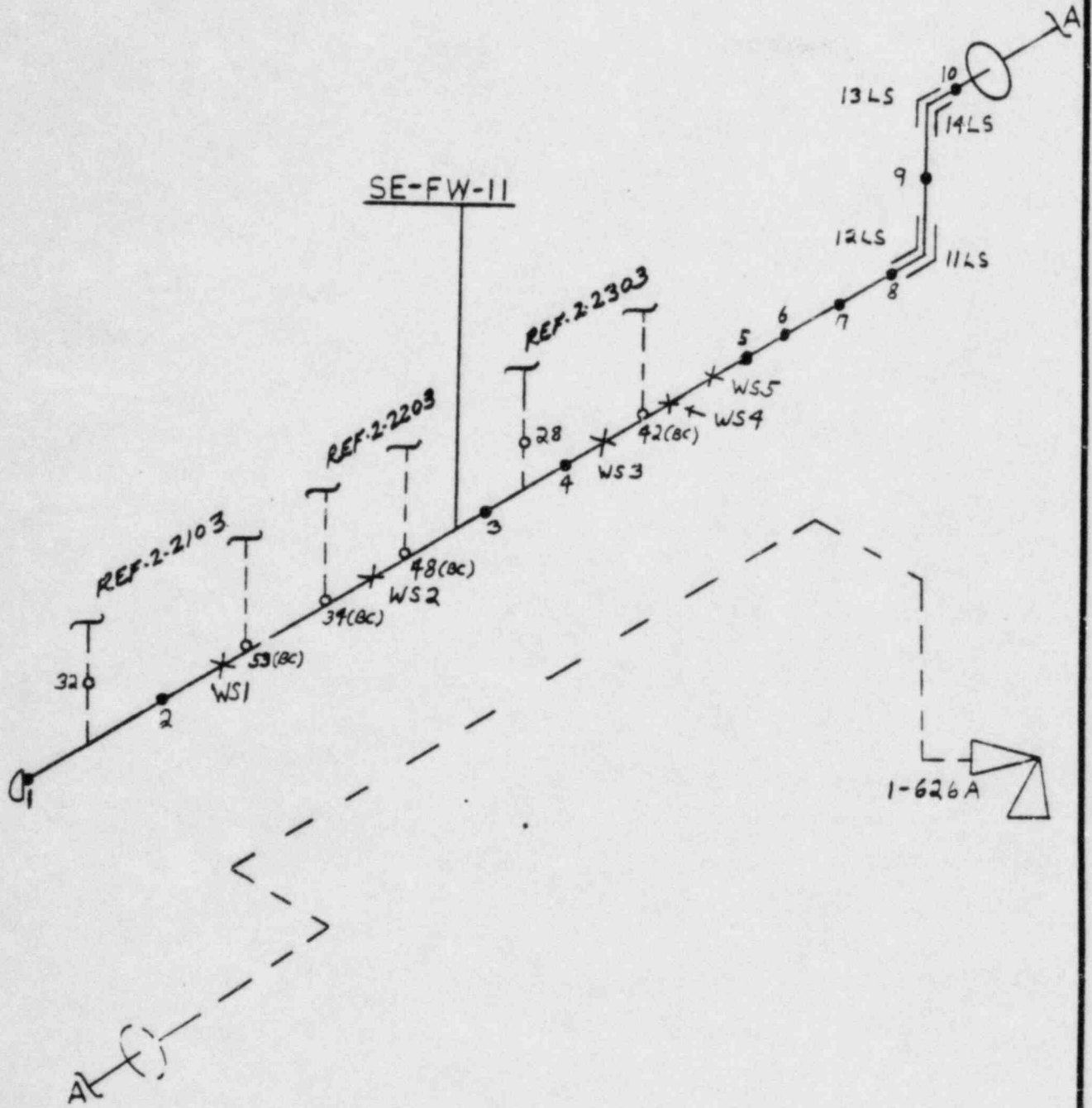


624

FEEDWATER

30" - 1.750 T C.S.

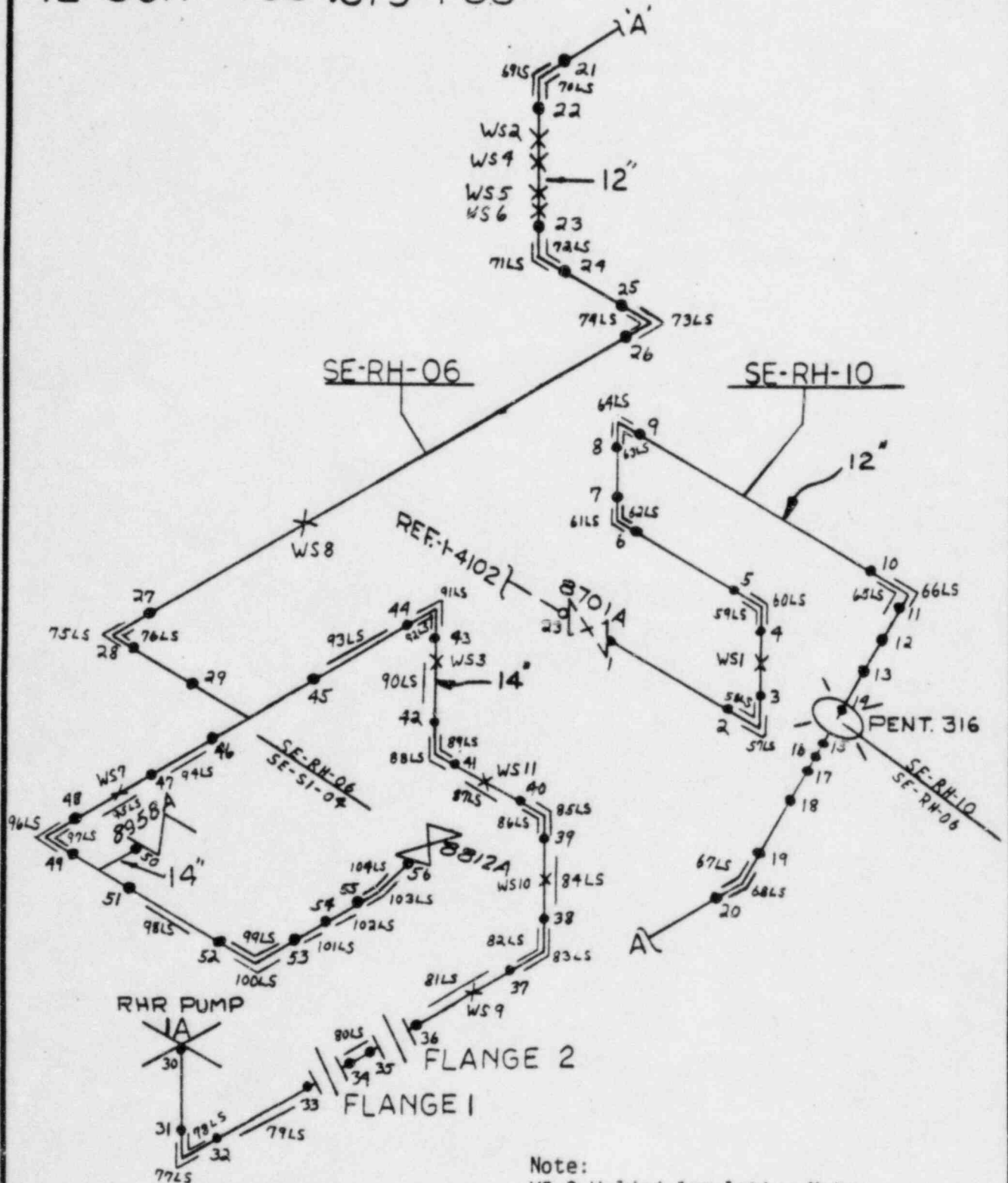
FORM 4F



RHR

14" SCH-40 438" T SS
 12" SCH-40S .375" T SS

FORM 4



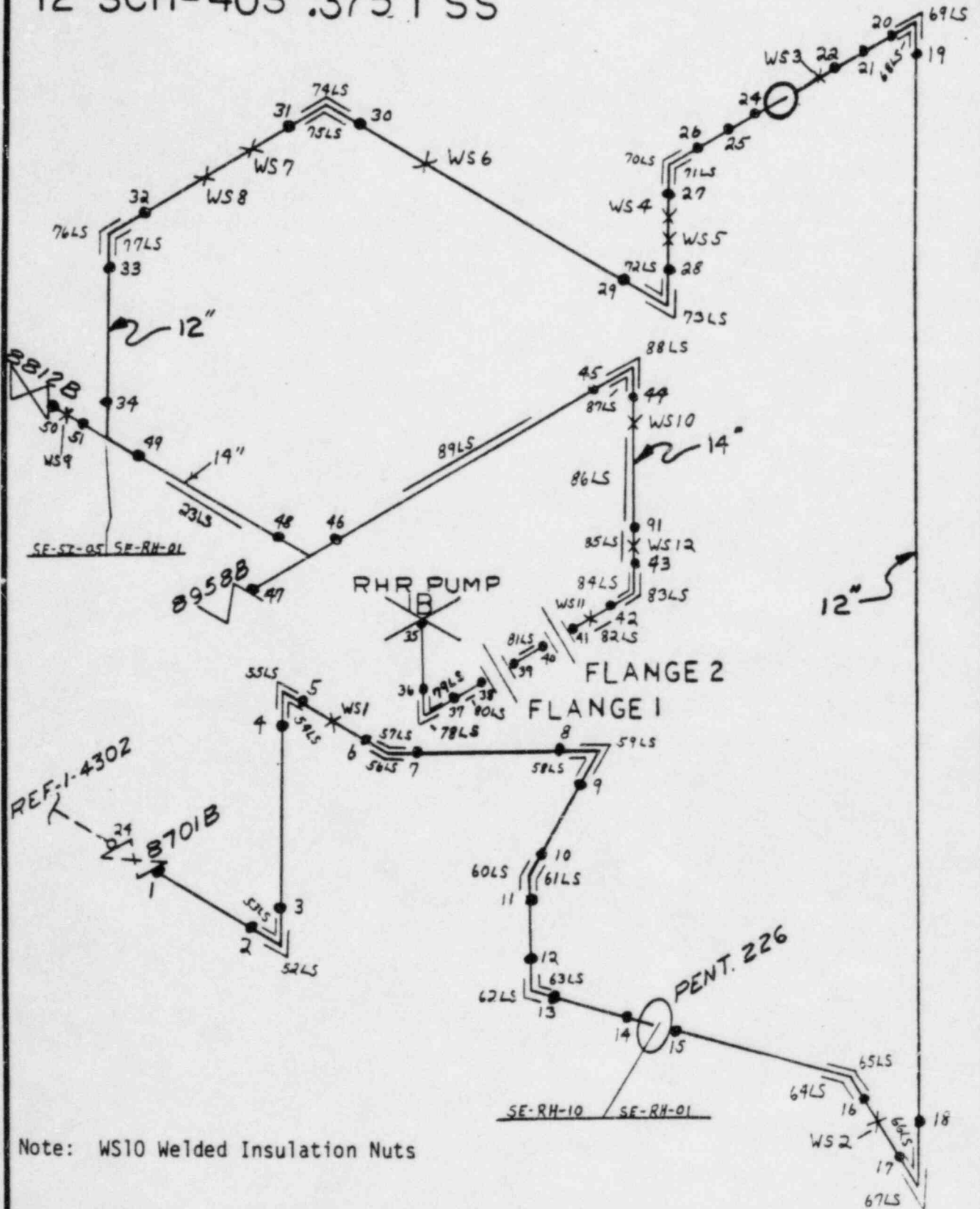
Note:
 WS-3 Welded Insulation Nuts
 WS-4 Welded Insulation Nuts

RHR

CGE-2-2501

14" SCH-40 438T SS
12" SCH-40S .375T SS

FORM 4

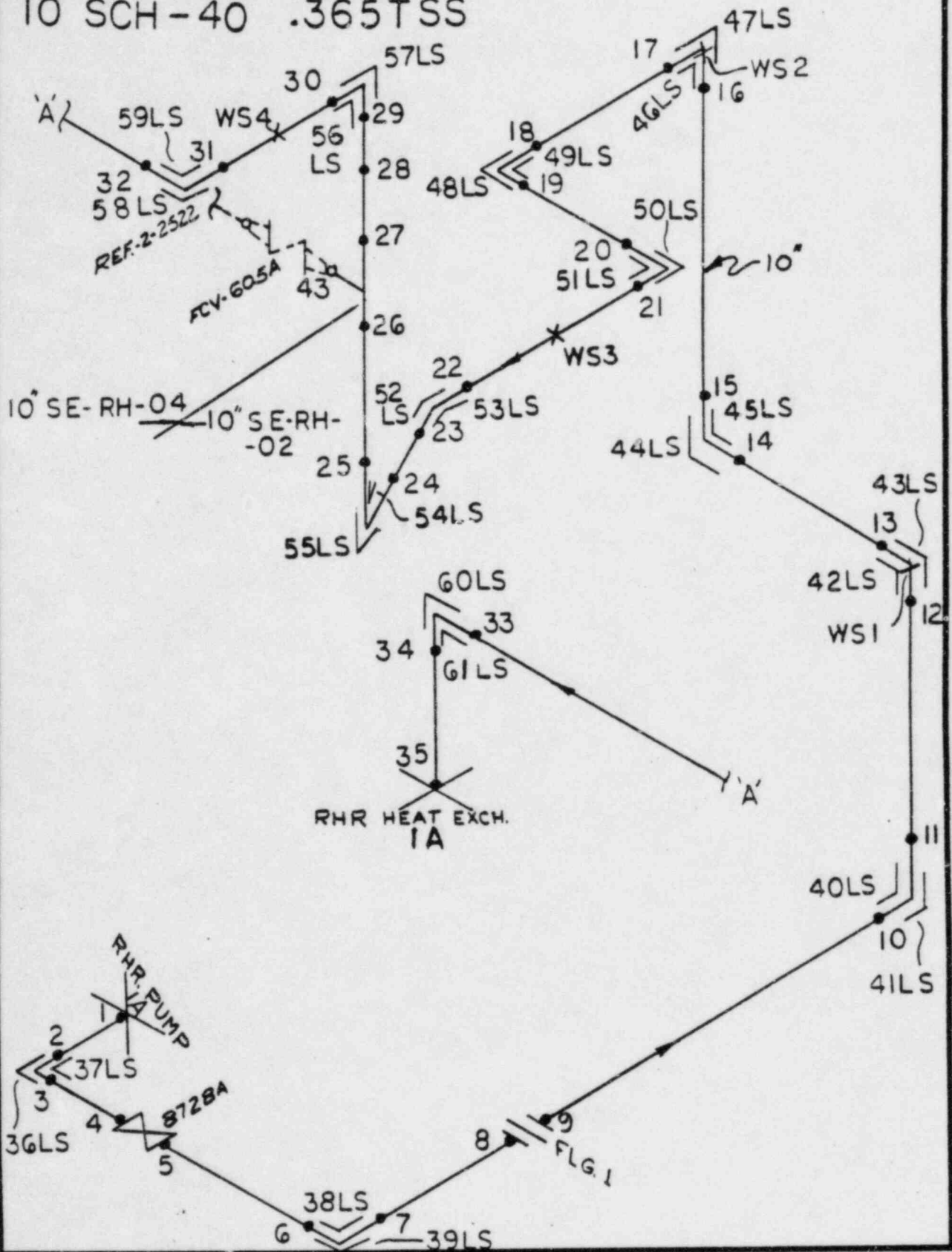


Note: WS10 Welded Insulation Nuts

RHR
10" SCH-40 .365" TSS

CGE-2-2520

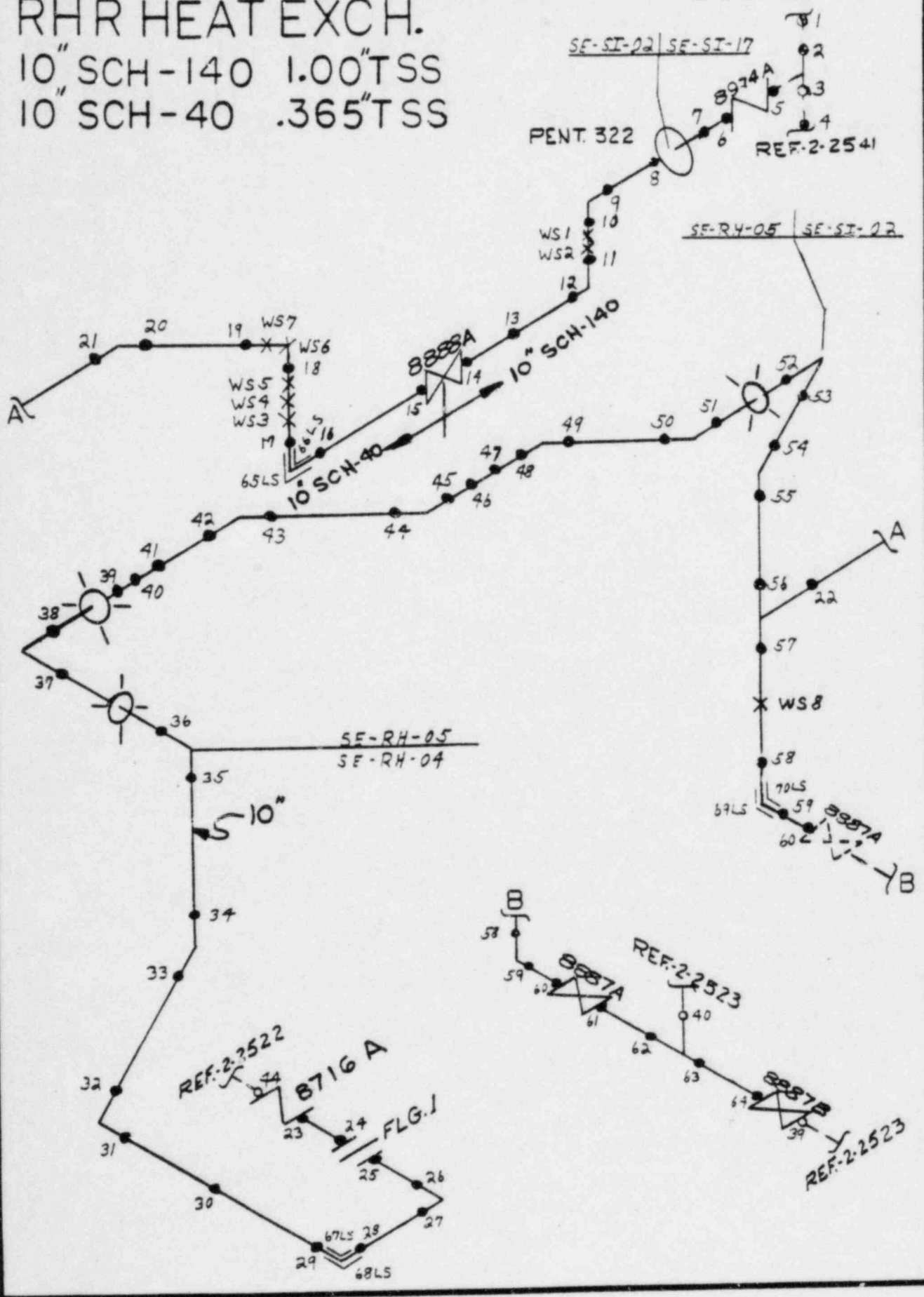
FORM 484



CGE-2-2521

RHR HEAT EXCH.
10" SCH-140 1.00" TSS
10" SCH-40 .365" TSS

FORM 4'

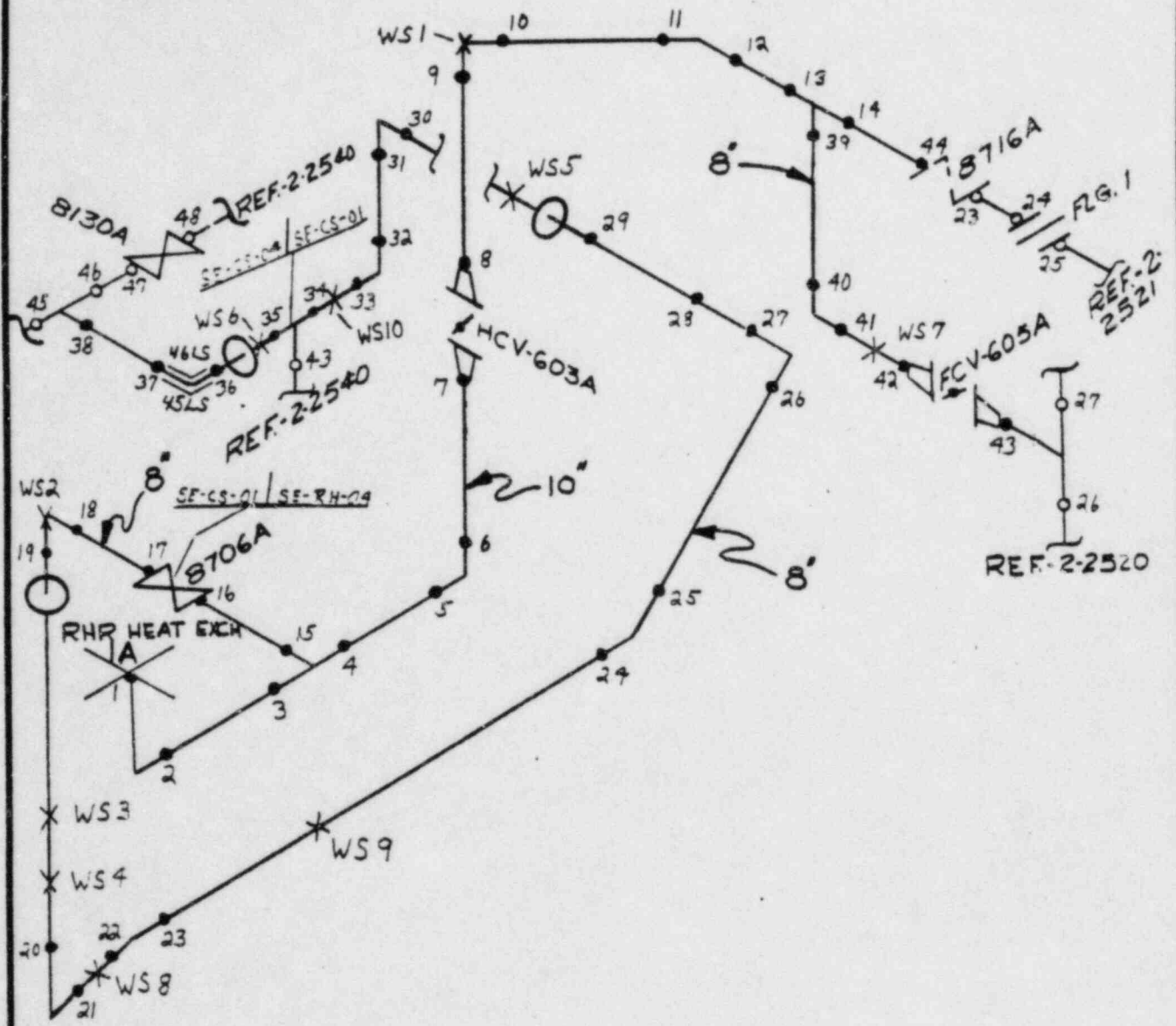


RHR HEAT EXCH.

CGE-2-2522

10" SCH-40 .365" T SS
 8" SCH-40 .322" T SS

FORM 4



NOTE:

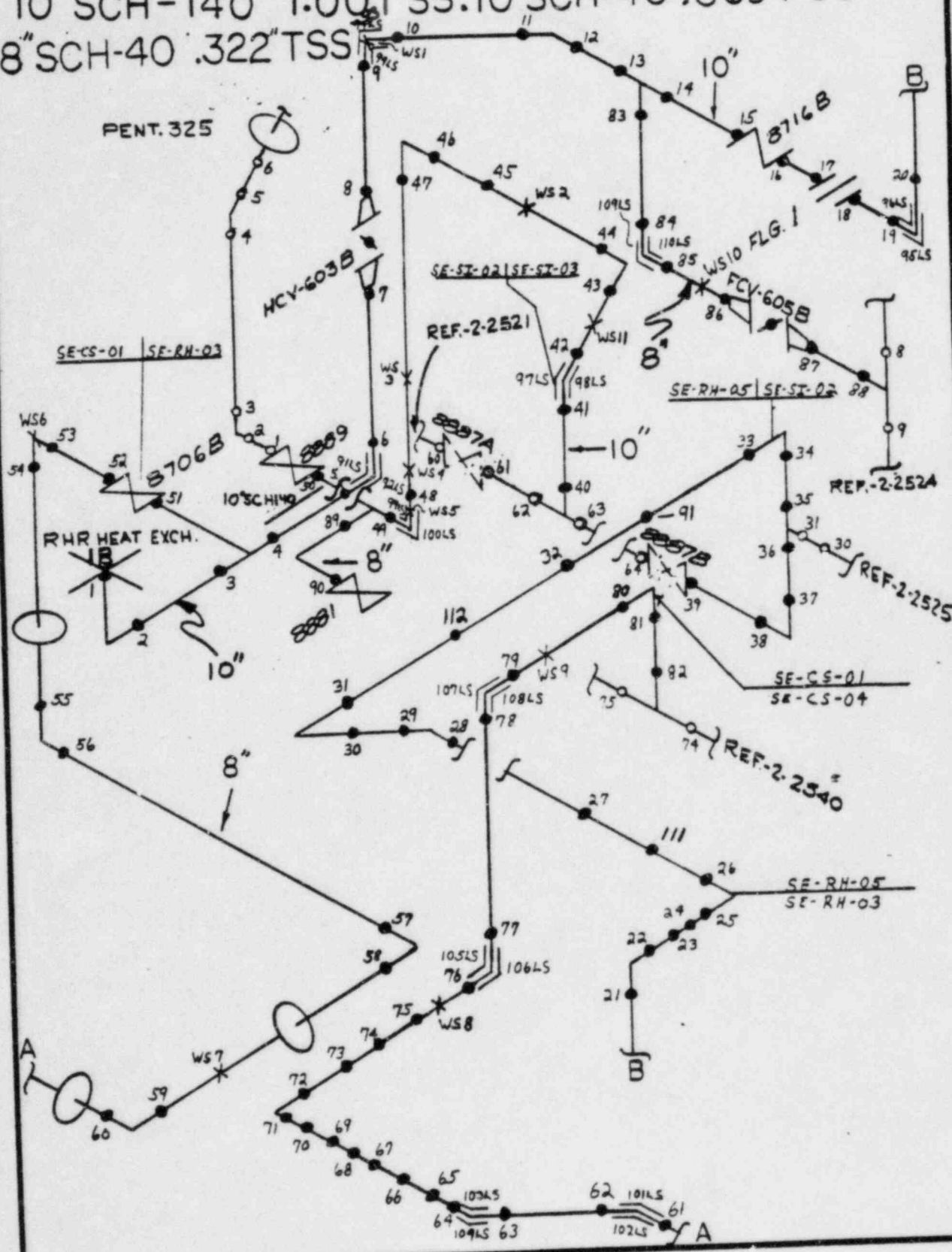
WS-10 is a welded attachment

120

CGE-2-2523

RHR
10" SCH-140 1.00T SS:10 SCH-40 .365" TSS
8" SCH-40 .322" TSS

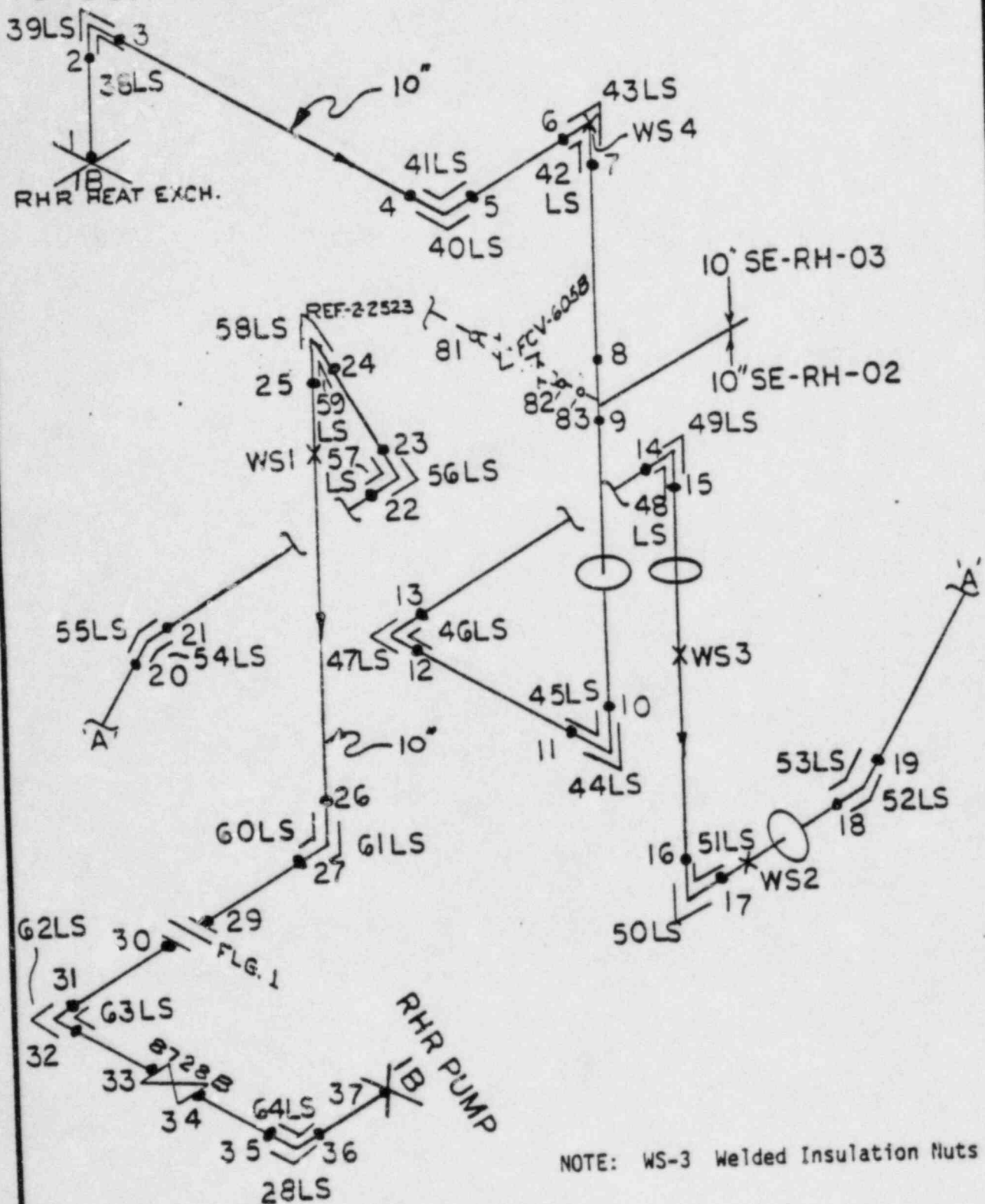
FORM 484



RHR

10" SCH-40 .365" T SS

FORM 46



NOTE: WS-3 Welded Insulation Nuts

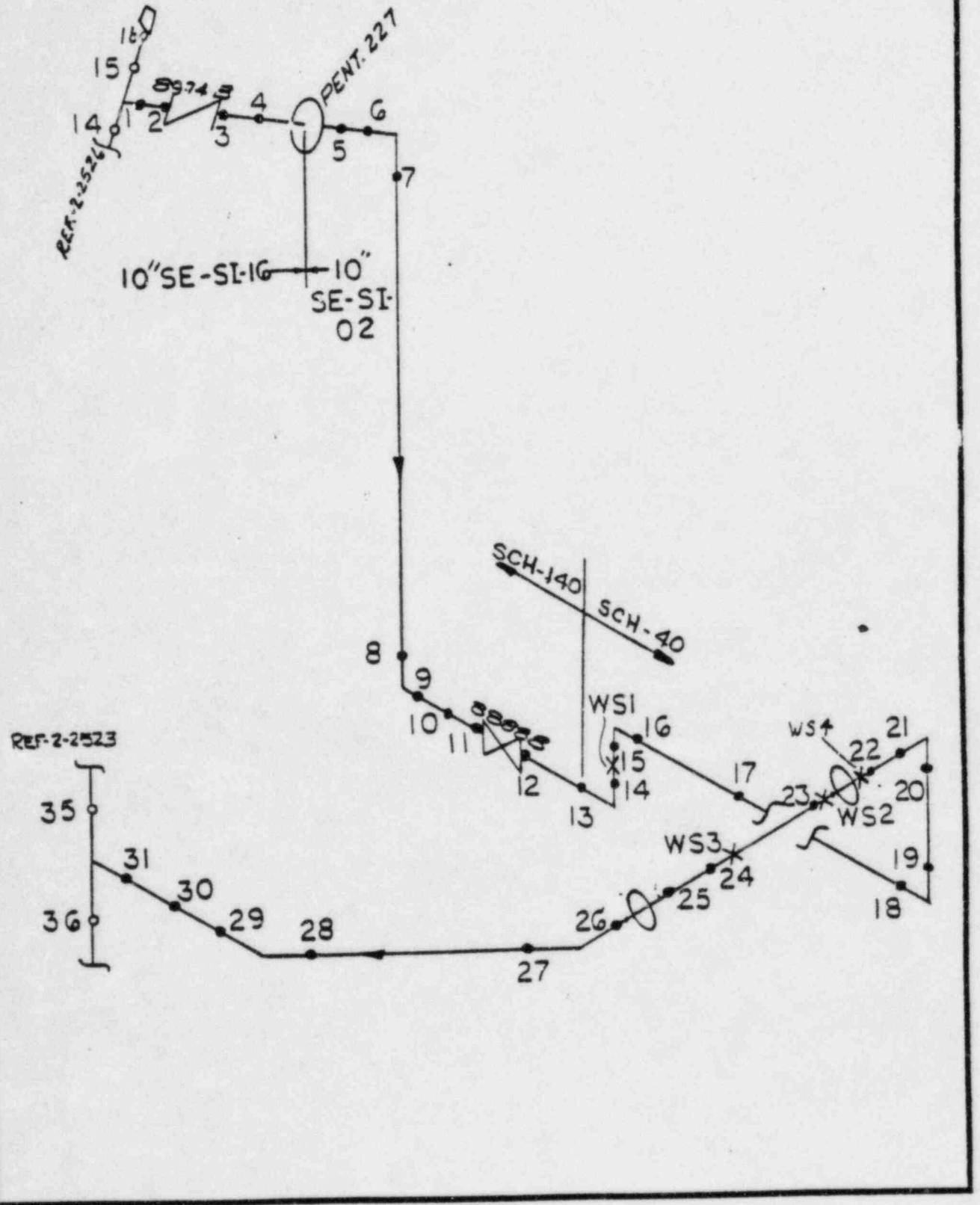
CGE-2-2525

RHR

10" SCH-140 1.00" T SS

10" SCH-40 .365" T SS

FORM 48A

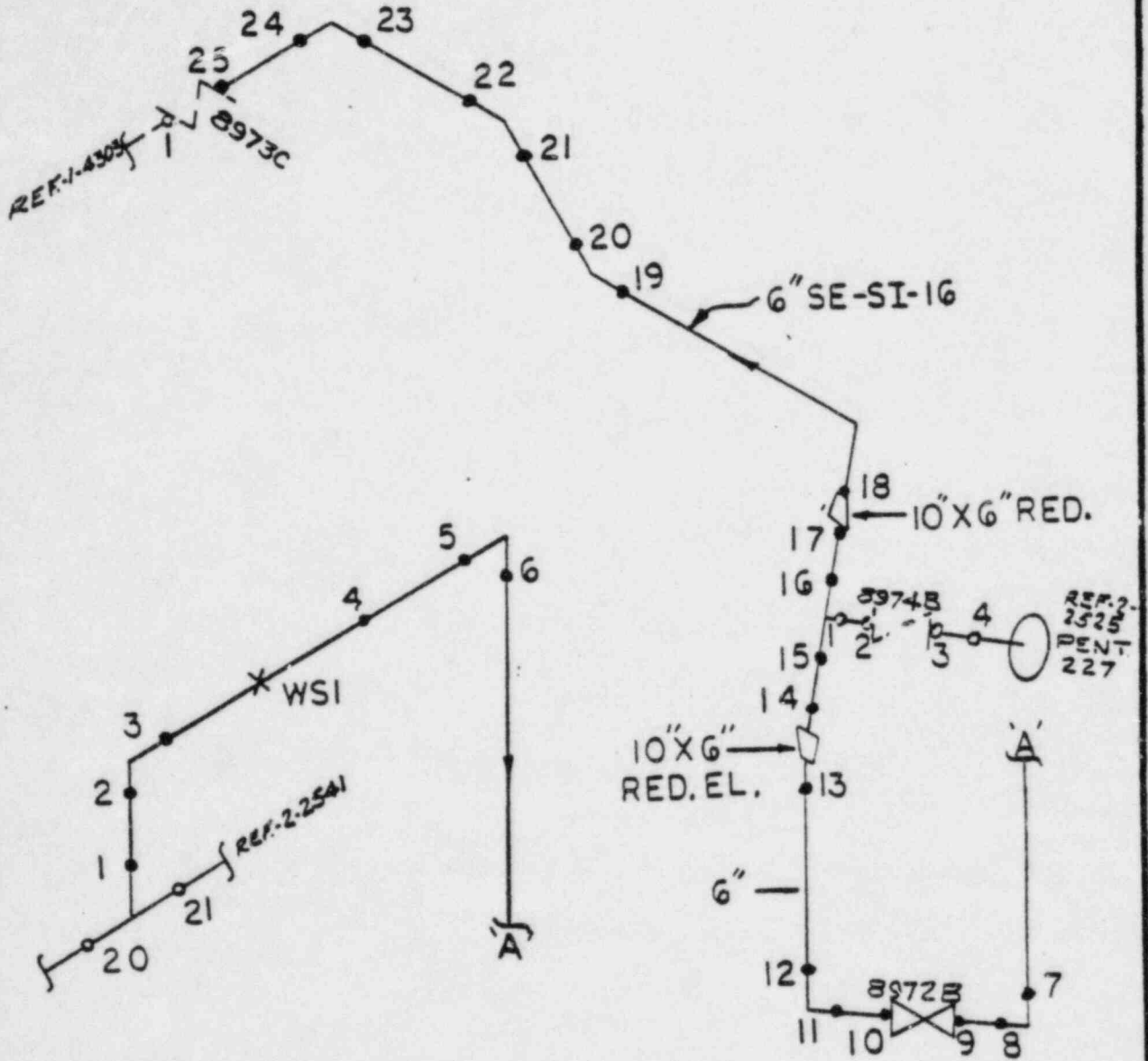


SIS

CGE-2-2526

6" SCH-160 .719" T SS
10" SCH-160 1.00" T SS

FORM 46

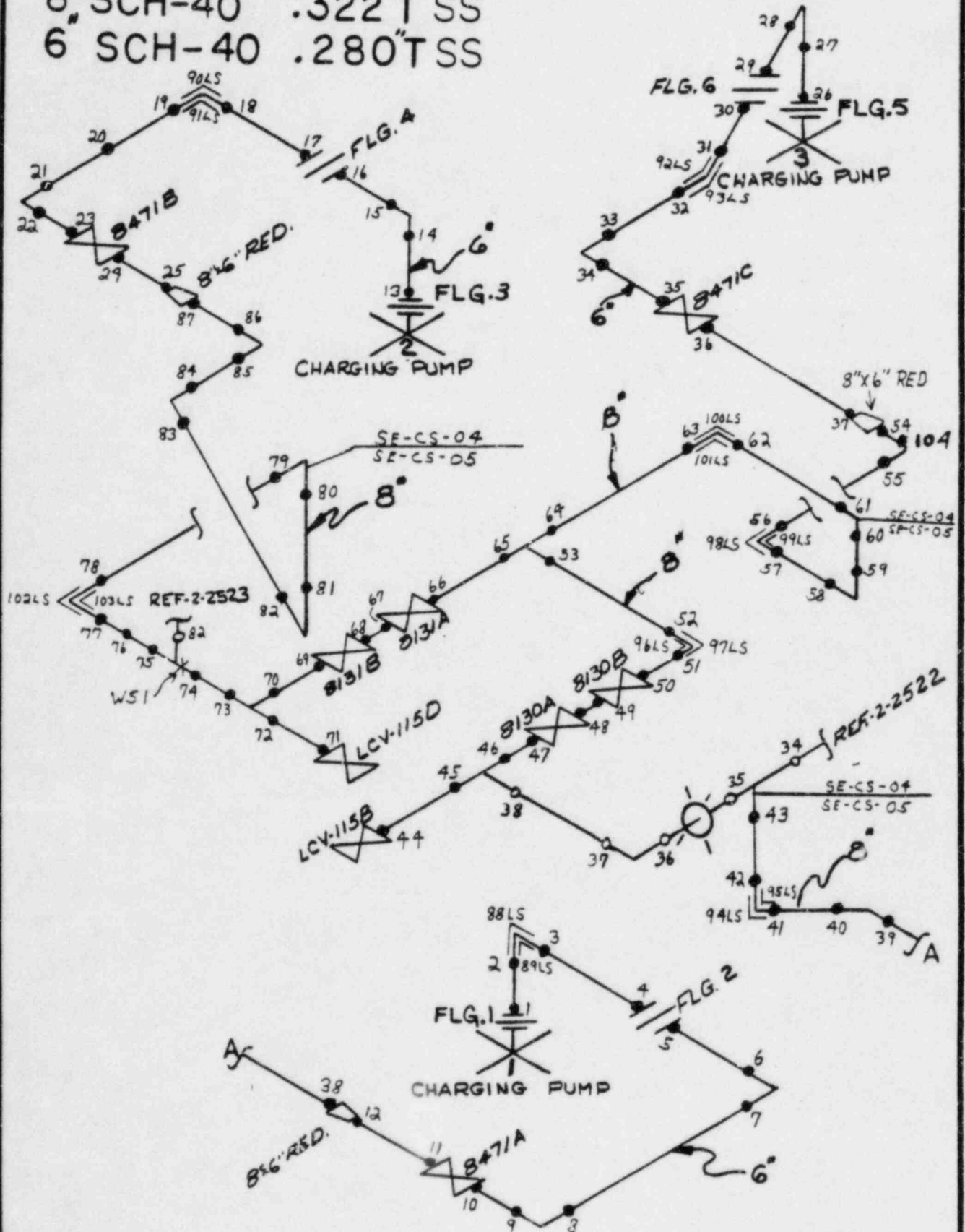


CVCS

CGE-2-2540

8" SCH-40 .322" T SS
6" SCH-40 .280" T SS

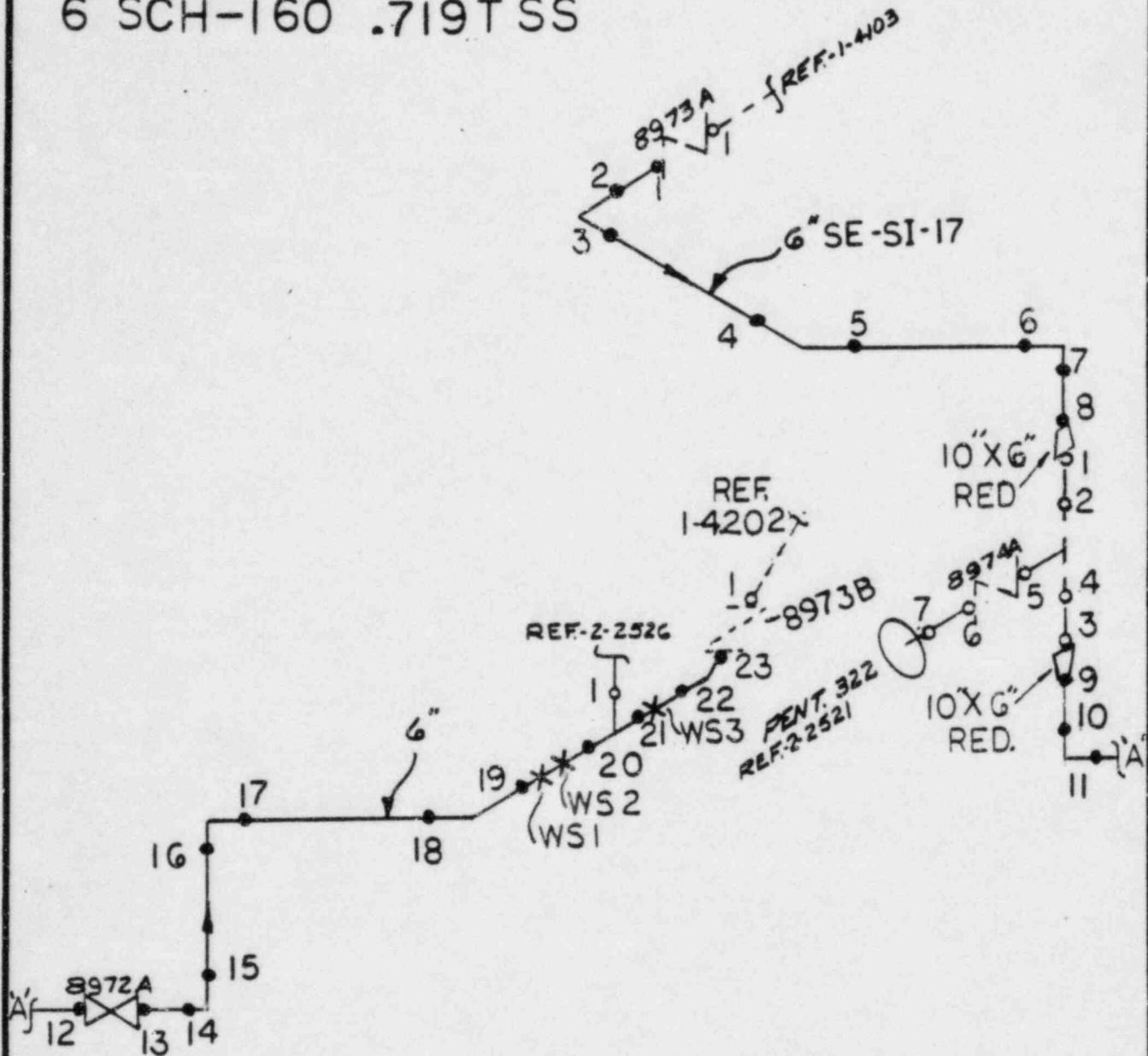
FORM 4



SIS
6" SCH-160 .719" T SS

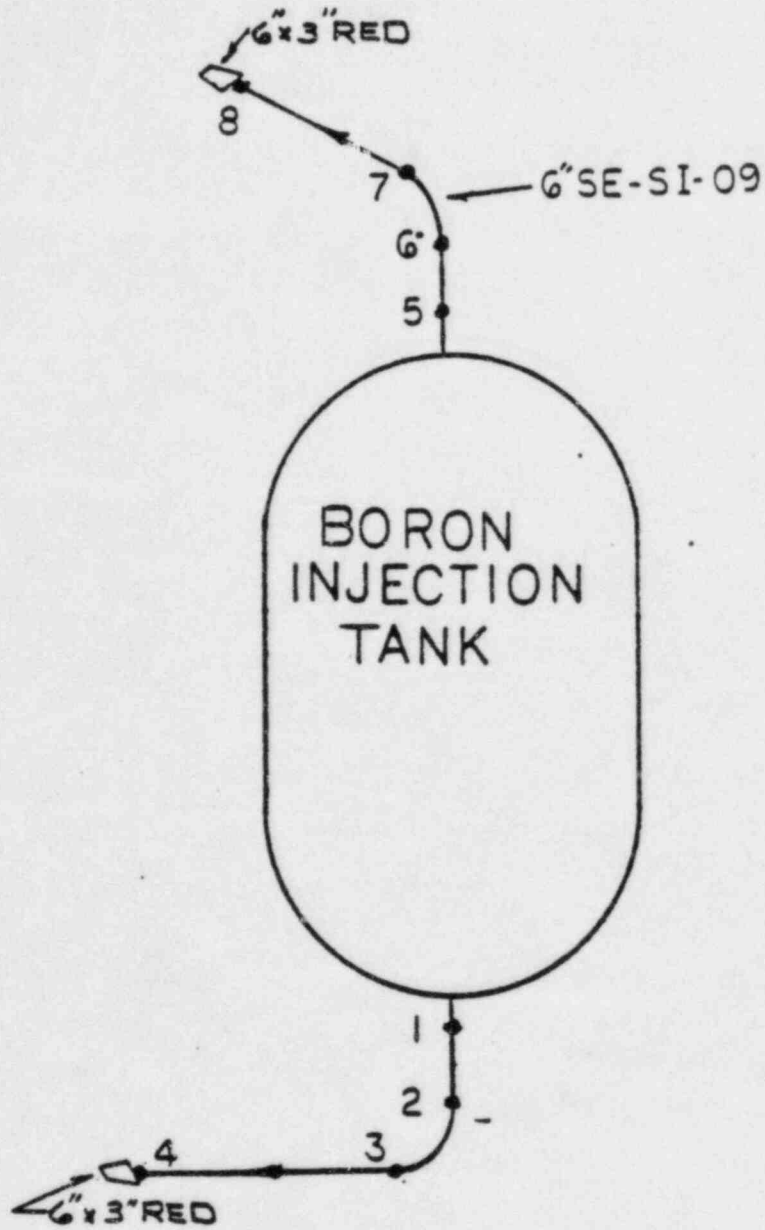
CGE-2-2541

FORM 1



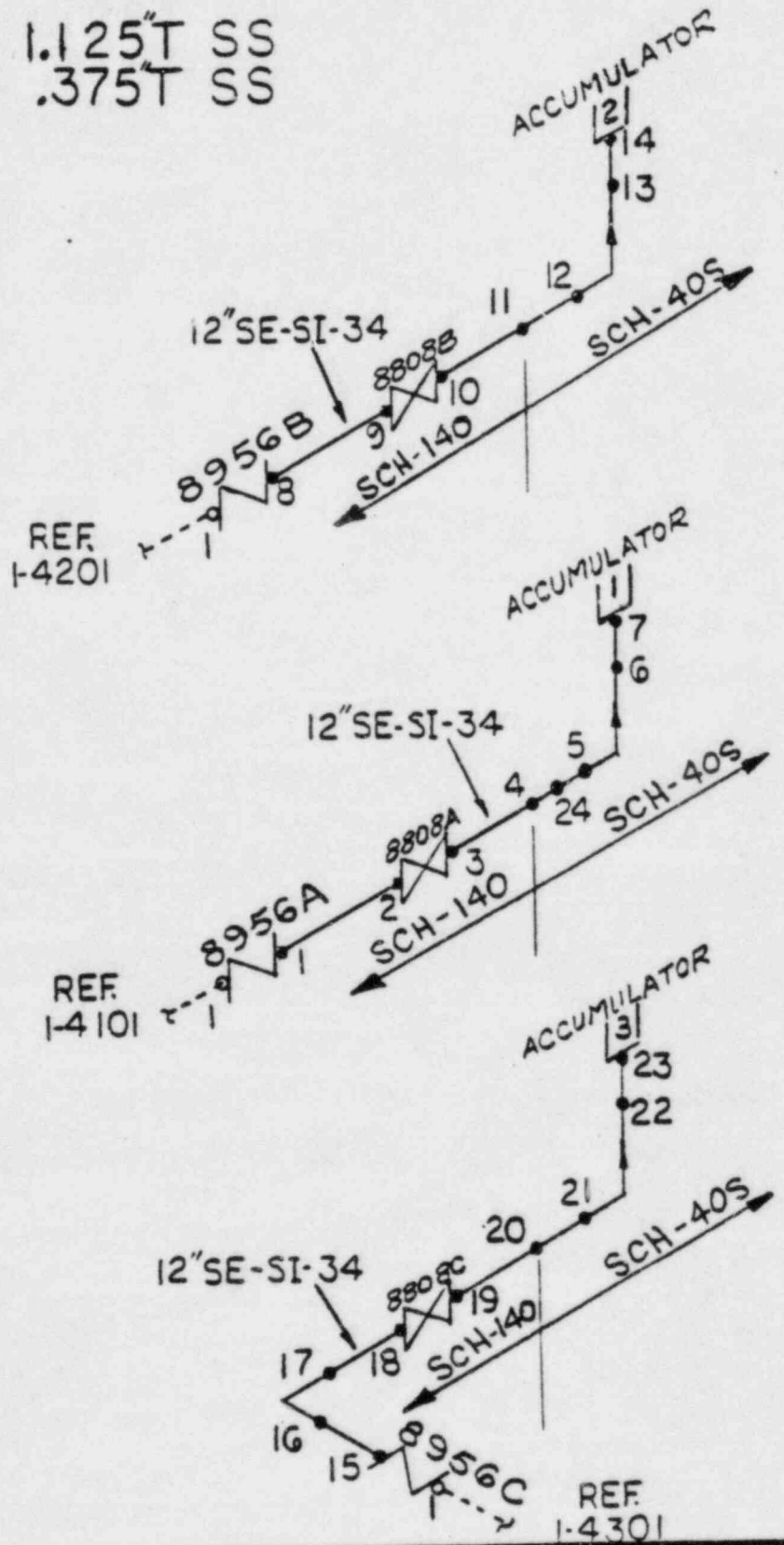
6" BORON INJECTION
6" SCH160 SS
.719" T

FORM 484A



SIS ACCUMULATOR DISCHARGE

12" SCH-140 1.125" T SS
 12" SCH-40S .375" T SS



FORM 484

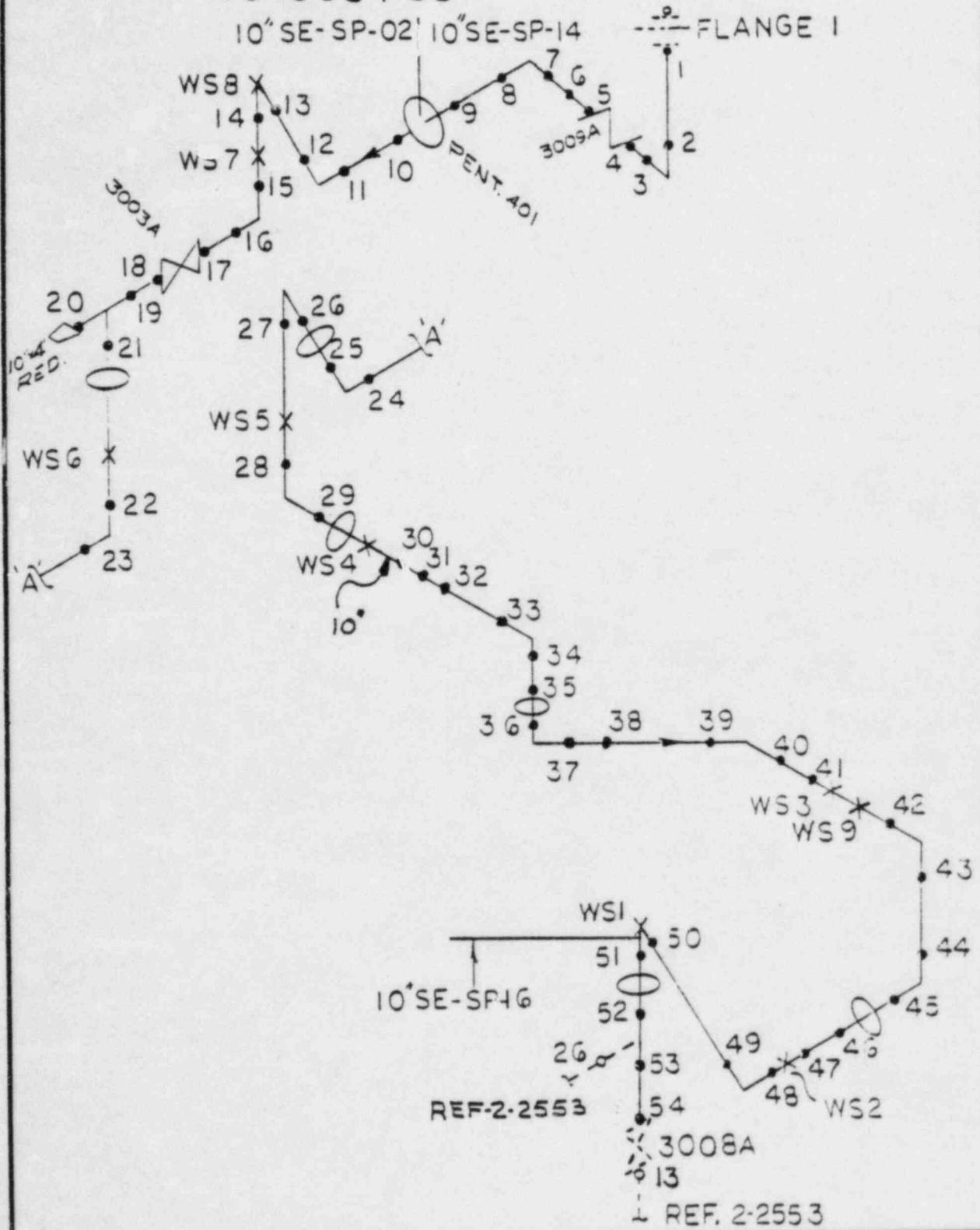
REACTOR BLDG. SPRAY SYSTEM

10" SCH-40 .365T"SS

REF-2-2561

10" SE-SP-02' 10" SE-SP-14

FLANGE 1

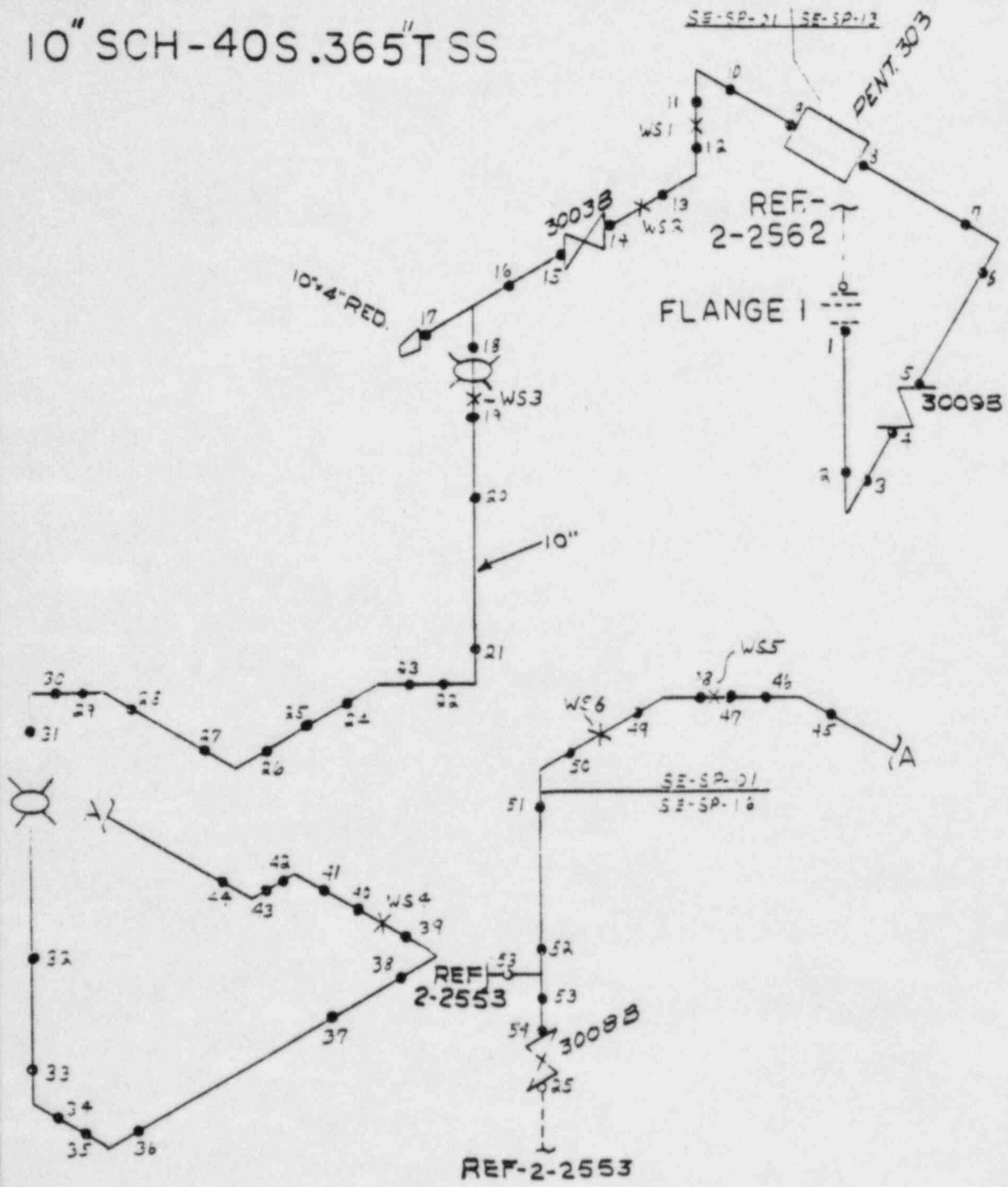


FORM 4644

REACTOR BLDG. SPRAY SYSTEM

10" SCH-40S .365" T SS

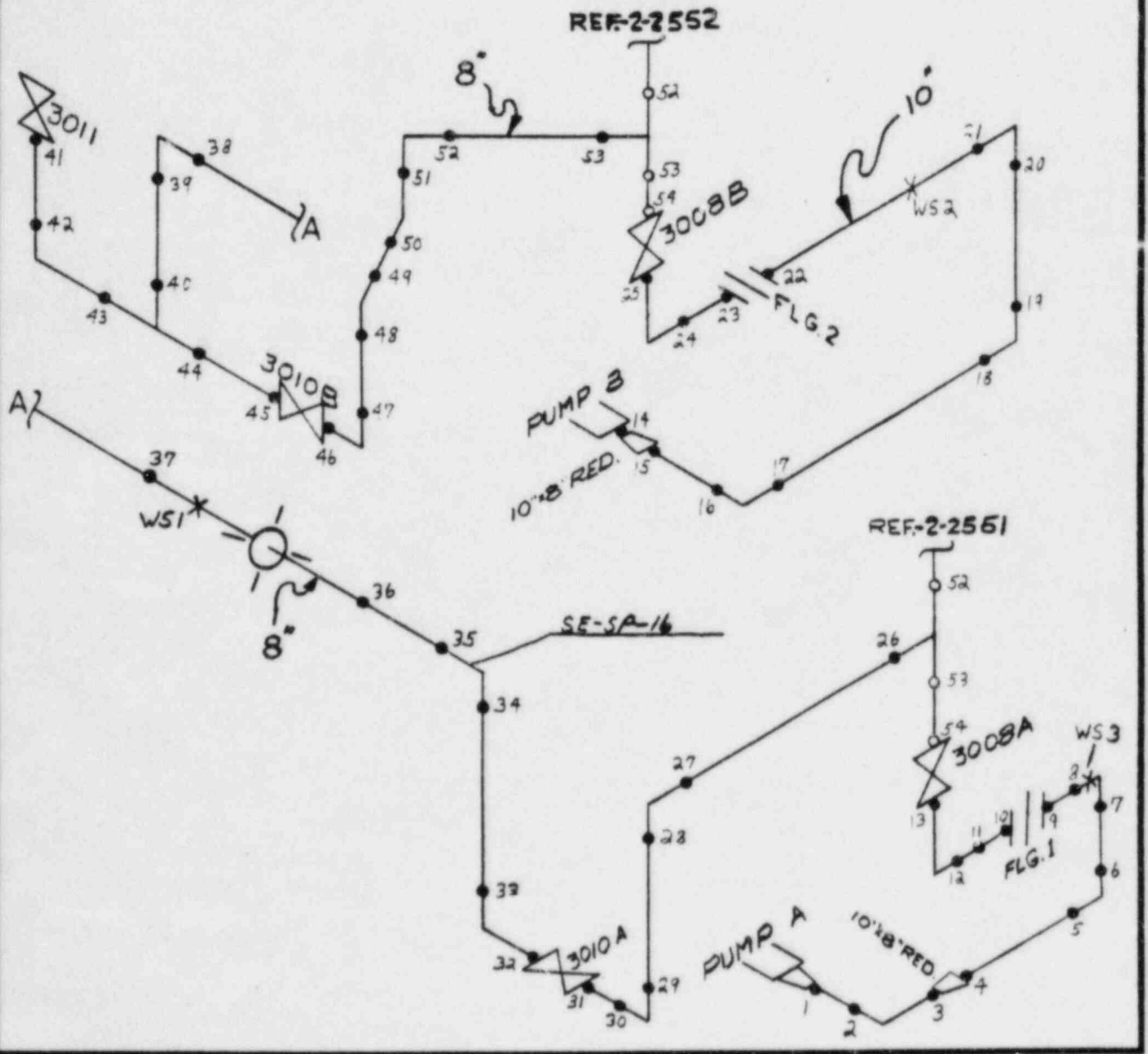
FORM 46446



REACTOR BLDG. SPRAY SYSTEM

8" SCH-40S .322" TSS
10" SCH-40S .365" TSS

FORM 47

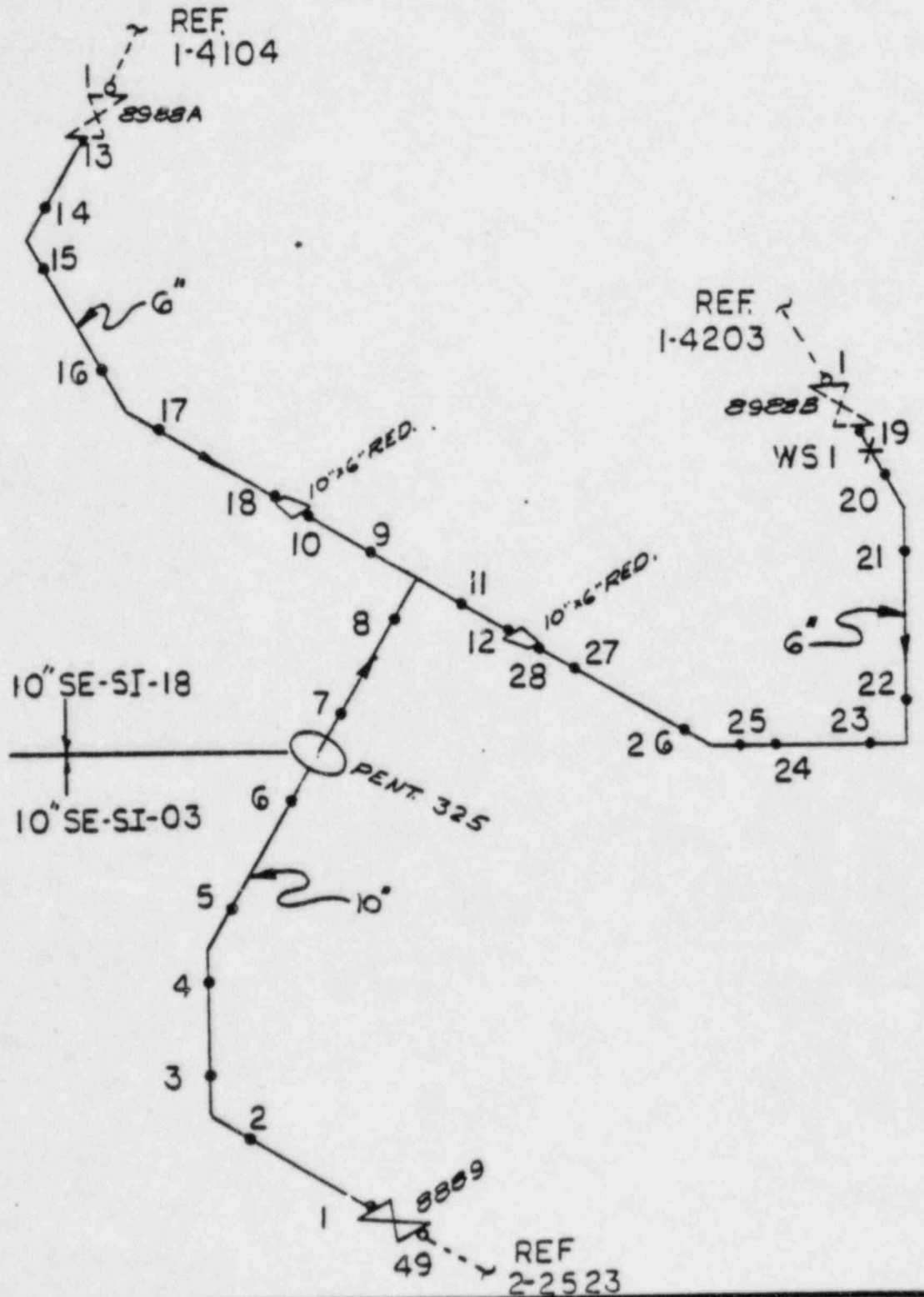


SAFETY INJECTION

6" SCH-160 .719" T SS

10" SCH-140 1.00" T SS

FORM 4844B

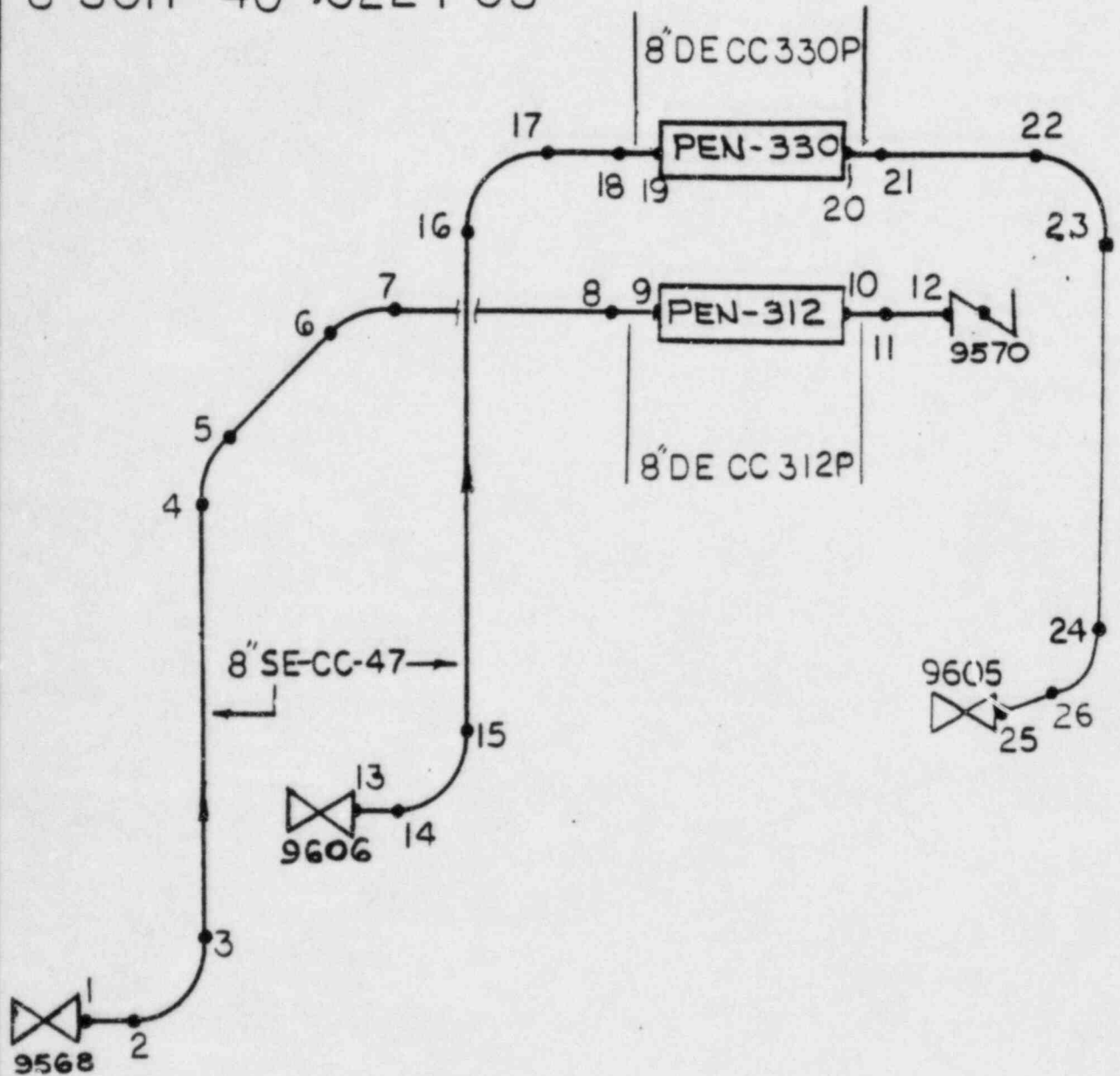


CGE-2-2555

COMPONENT COOLANT

8" SCH-40 .322" T CS

FORM 46



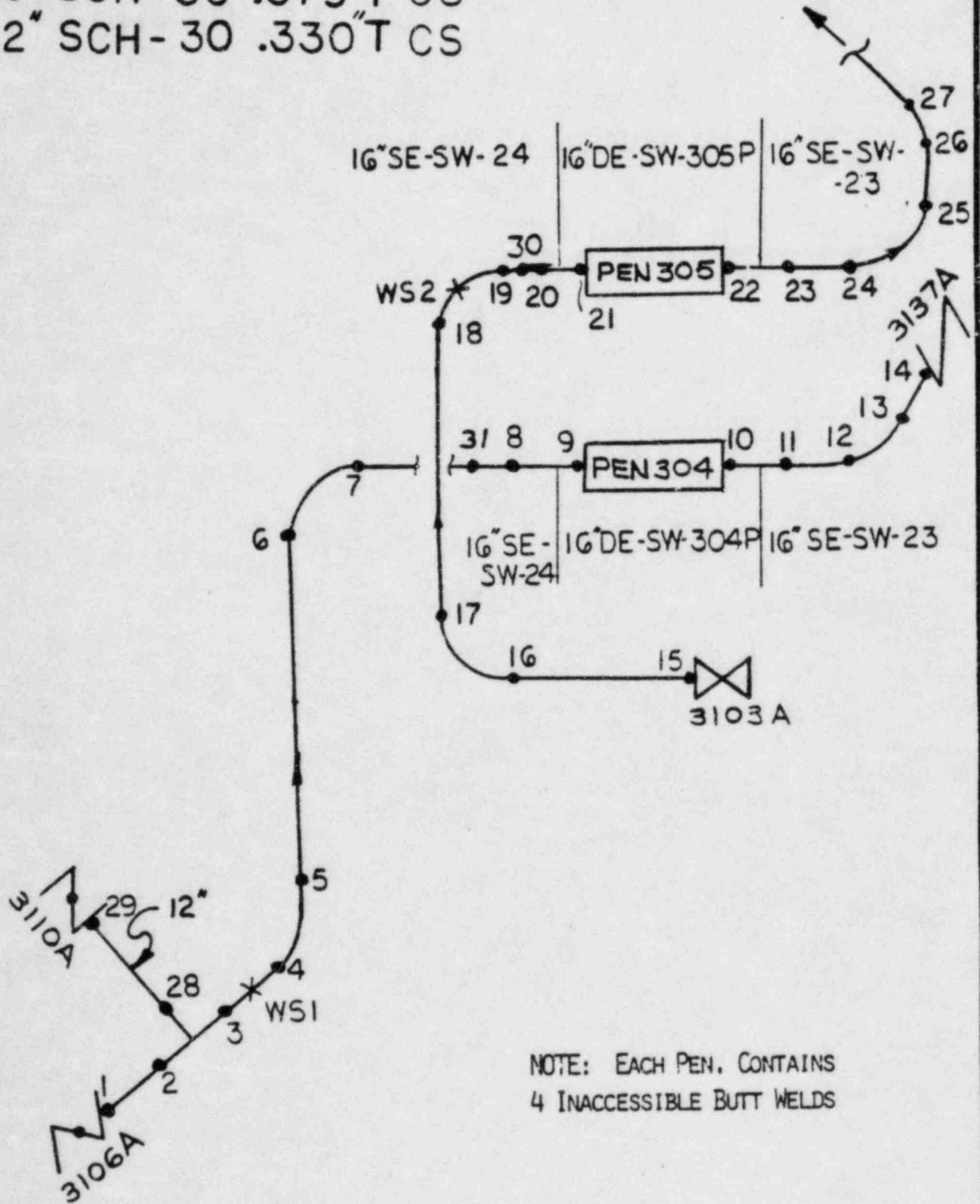
NOTE: EACH PEN. CONTAINS
4 INACCESSIBLE BUTT WELDS.

SERVICE WATER

CGE-2-2559

16" SCH-30 .375" T CS
12" SCH-30 .330" T CS

REF 2-2559



NOTE: EACH PEN. CONTAINS
4 INACCESSIBLE BUTT WELDS

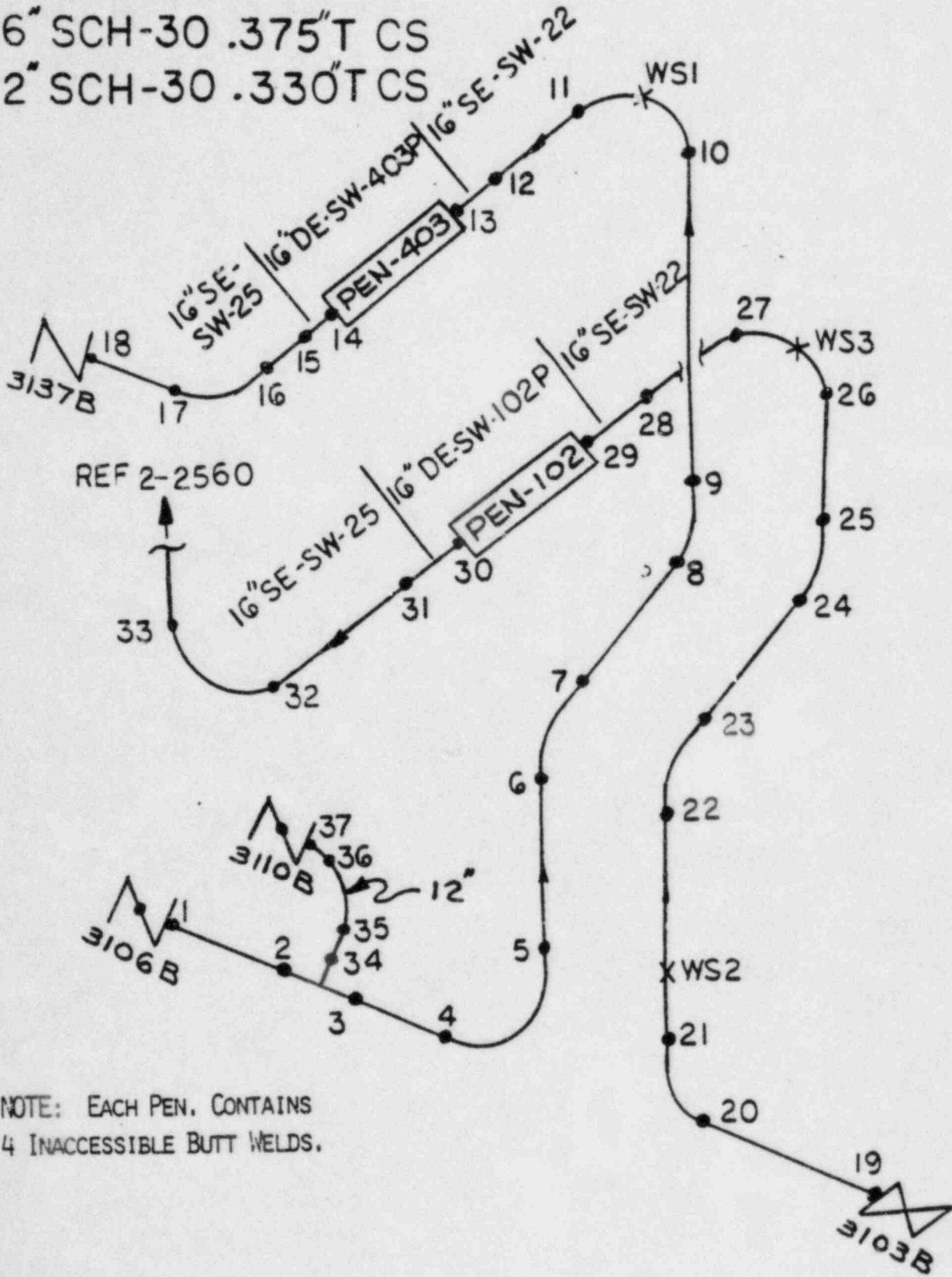
FORM 5

SERVICE WATER

16" SCH-30 .375" T CS

12" SCH-30 .330" T CS

FORM 487

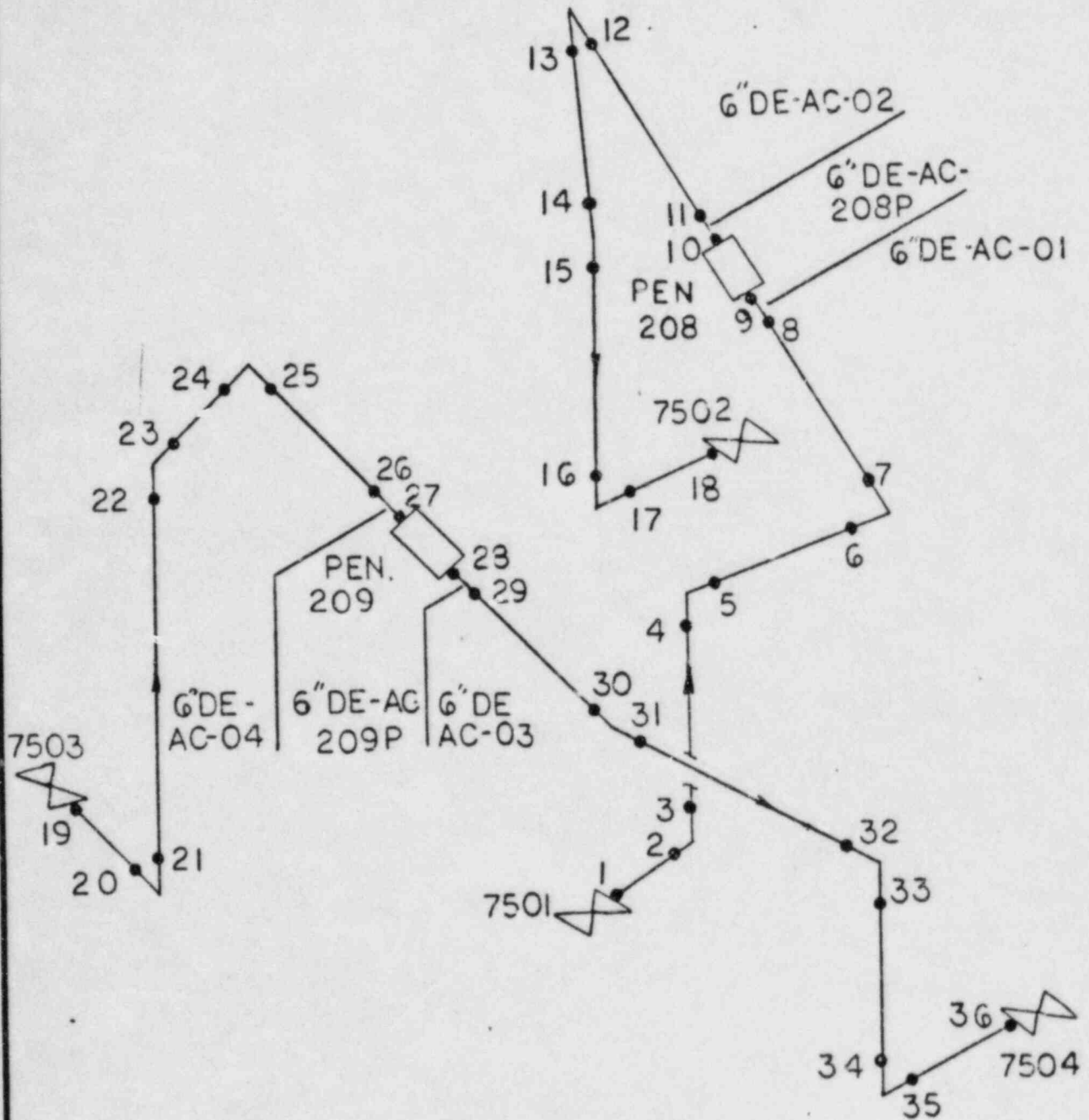


NOTE: EACH PEN. CONTAINS
4 INACCESSIBLE BUTT WELDS.

413

FORM 467

6" AUXILIARY COOLANT
6" SCH 40 .280" T C.S.



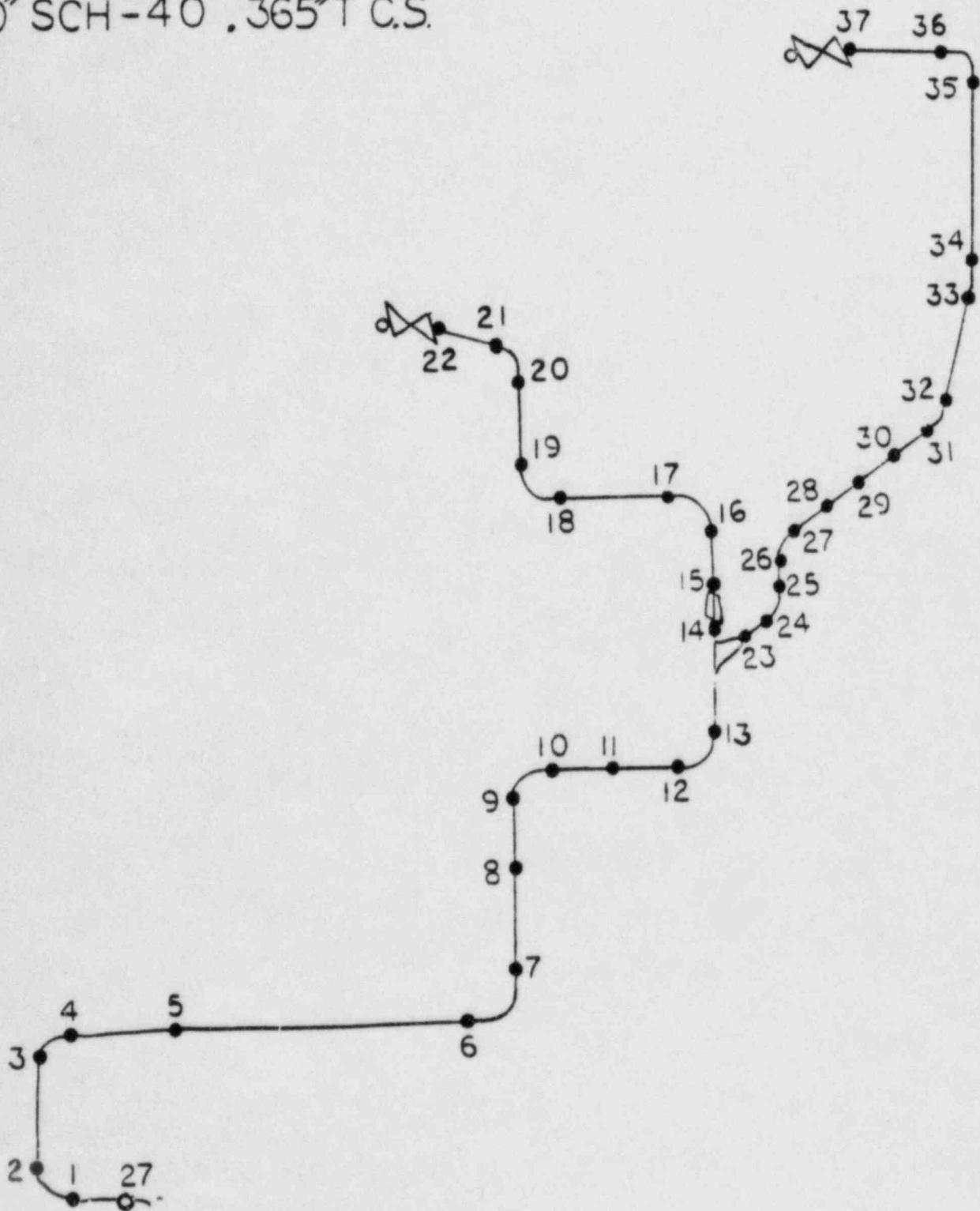
445

SERVICE WATER

CGE-2-2559

16" SCH-30 .375" T.C.S.
10" SCH-40 .365" T.C.S.

FORM 7

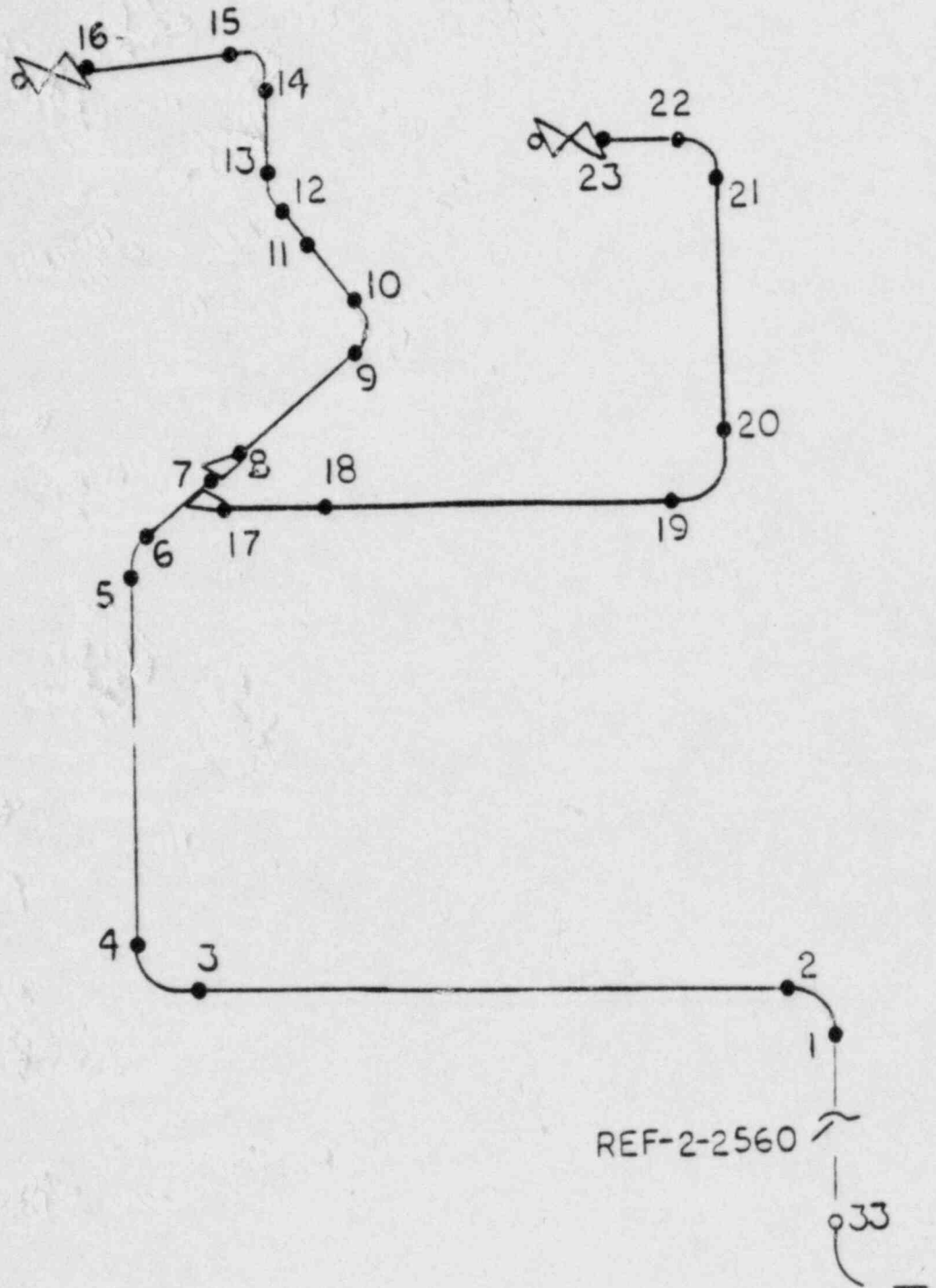


REF 2-2556

SERVICE WATER

CGE-2-2560

16" SCH-30 .375" T.C.S.
10" SCH-40 .365" T.C.S.



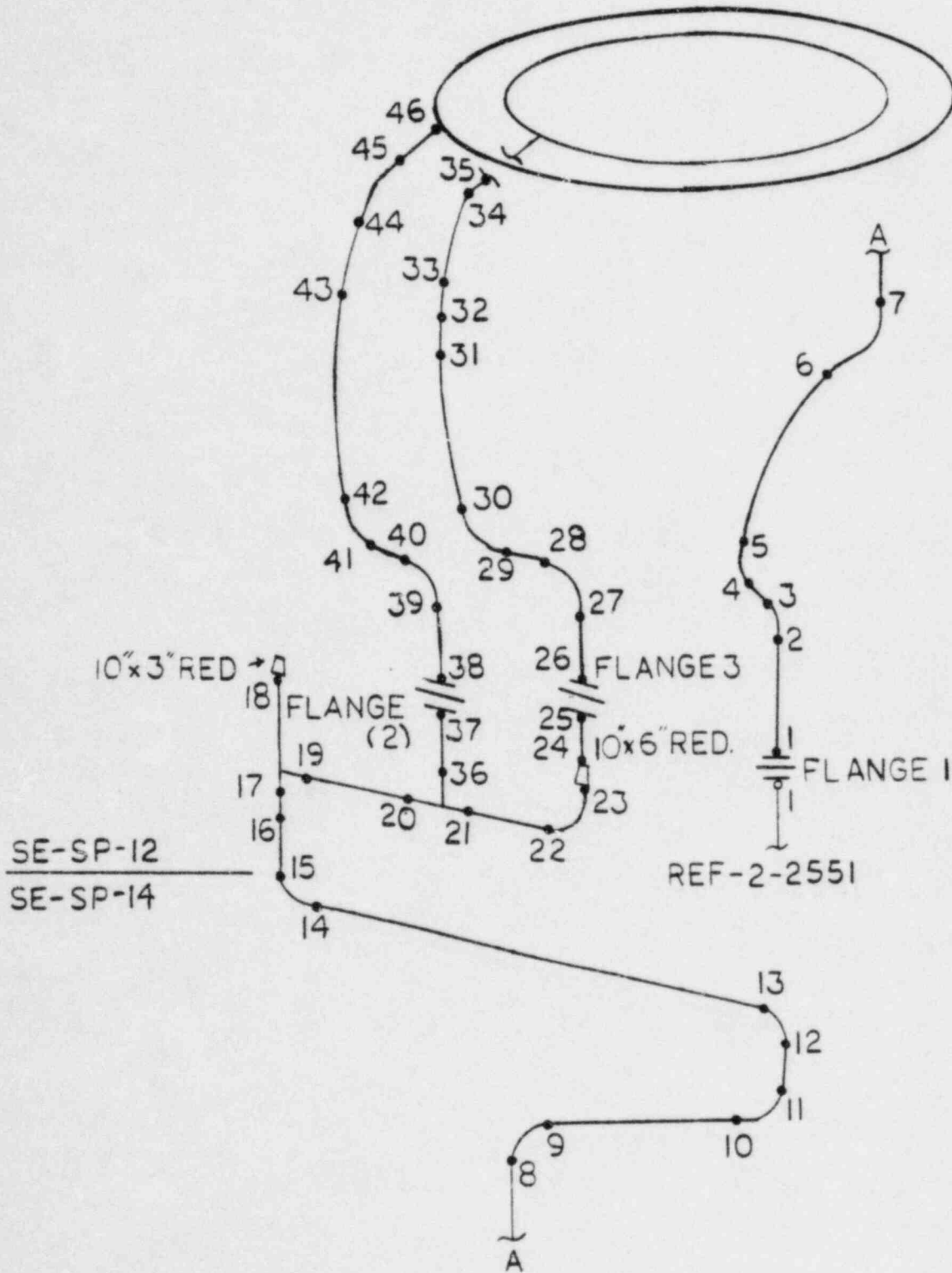
FORM

476

REACTOR BLDG. SPRAY SYSTEM

10" SCH-40S .365" T SS

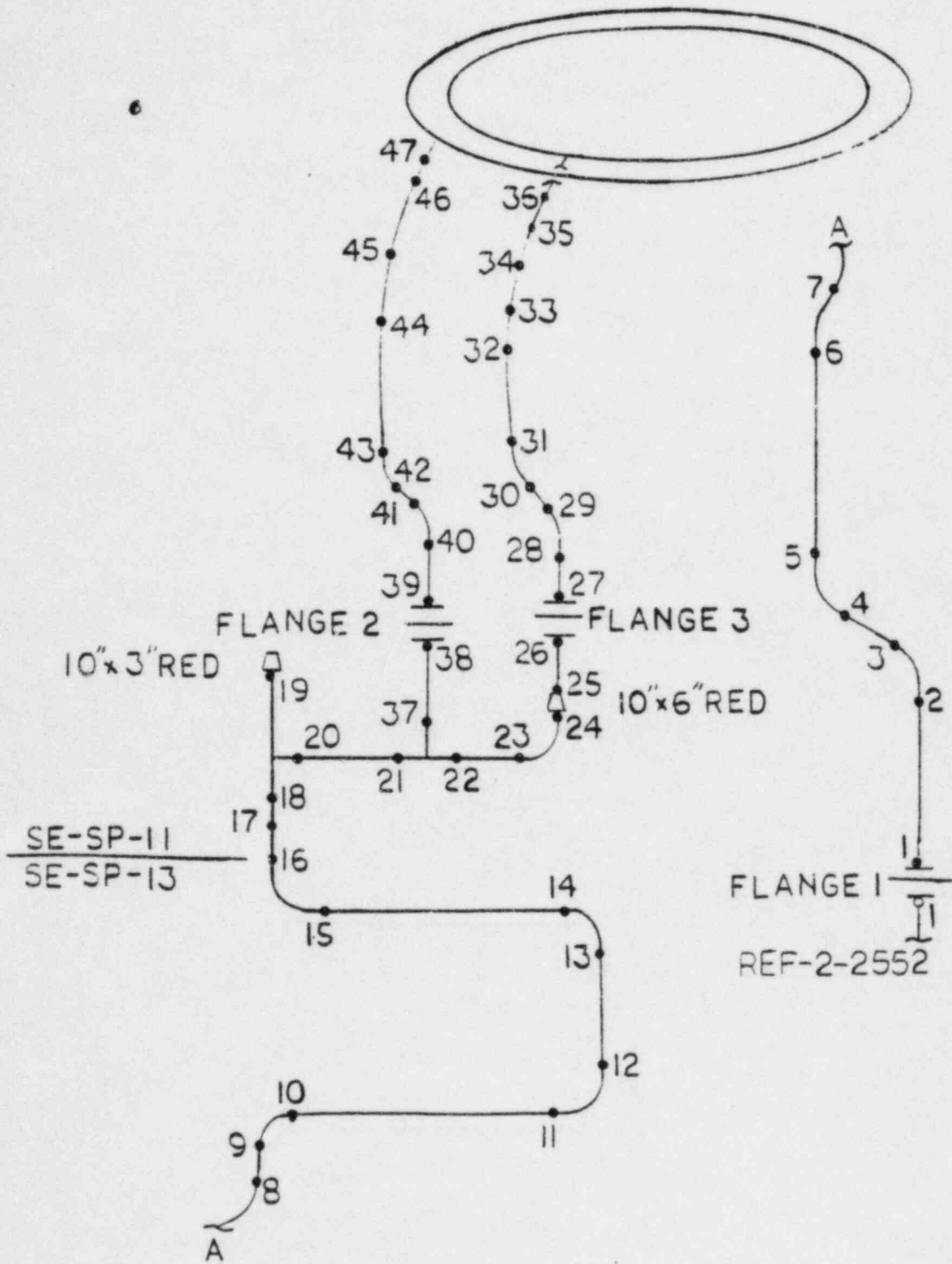
FORM 4647



REACTOR BLDG. SPRAY SYSTEM

10" SCH-40S .365" T SS

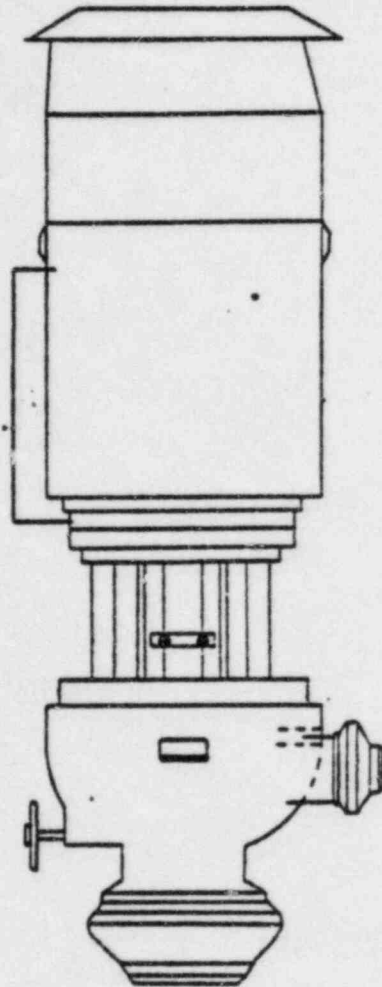
FORM 4644



ILLUSTRATIVE ONLY

CGE-2-3100

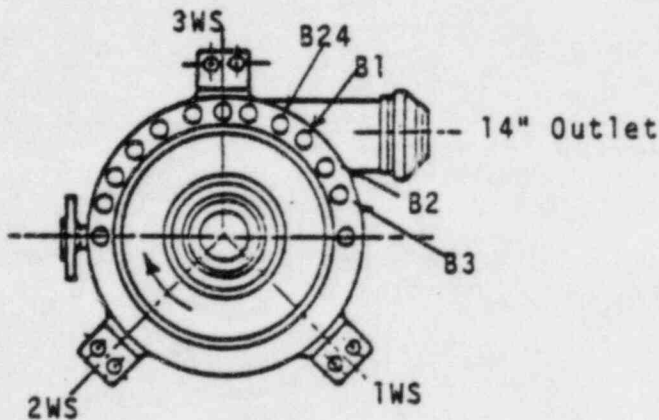
RESIDUAL HEAT REMOVAL PUMPS IA & IB



CASING WELD: NOT APPLICABLE
BOLTING: 24 - 2" DIAMETER

SUPPORTS: 3 WELDED

NUMBER IS PRECEDED BY (1A) OR
(1B) AS APPLICABLE



CODE CLASS 1 NDE RELIEF REQUEST INDEX

- 1) Reactor Pressure Vessel Piping Safe-End Welds
Relief Request Number: 1-RPV-1 (Page 1)
- 2) Reactor Pressure Vessel Closure Head To Flange Weld
Relief Request Number: 1-RPV-2 (Page 2)
- 3) Pressurizer Piping Safe-End Welds
Relief Request Number: 1-PRESS-1 (Page 3)
- 4) Pressurizer Nozzle Welds
Relief Request Number: 1-PRESS-2 (Page 4)
- 5) Pressurizer Head To Shell
Relief Request Number: 1-PRESS-4 (Page 5)
- 6) Steam Generator Piping Safe-End Welds
Relief Request Number: 1-S/G-1 (Page 6)
- 7) Piping System Branch Connections
Relief Request Number: 1-PIPE-1 (Page 7 & 8)
- 8) Piping System Welds
(not described in Relief Request 1-PS-1) (Page 9)

CODE CLASS 1 NDE RELIEF REQUESTS

COMPONENT: Reactor Pressure Vessel Piping Safe End Welds

RELIEF REQUEST NUMBER: 1-RPV-1

COMPONENT ISOMETRIC SKETCH AND WELD NUMBERS

<u>ISOMETRIC SKETCH</u>	<u>WELD NUMBER(s)</u>
CGE-1-4100	1(DM), 2
CGE-1-4100	15, 16(DM)
CGE-1-4200	1(DM), 2
CGE-1-4200	15, 16(DM)
CGE-1-4300	1(DM), 2
CGE-1-4300	15, 16(DM)

EXAMINATION REQUIREMENT:

Table IWB-2500-1 Category B-F & B-J (Items B5.010 & B9.011) requires a volumetric and surface examination of the Reactor Pressure Vessel piping nozzle-to-safe end welds, including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The geometric configuration (changing thickness and direction) of the nozzles prevents ultrasonic examinations from being performed on the nozzle side base metal and, to some extent, on the piping side base metal as required by IWB-2500-8.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume will be examined by the ultrasonic method. Surface examinations will be performed on essentially 100% of the required areas.

CODE CLASS 1 NDE RELIEF REQUESTS

COMPONENT: Reactor Pressure Vessel Closure Head to Flange Weld

RELIEF REQUEST NUMBER: 1-RPV-2

COMPONENT ISOMETRIC SKETCH AND WELD NUMBERS

ISOMETRIC SKETCH

WELD NUMBER(s)

CGE-1-1300

1

EXAMINATION REQUIREMENT:

Table IWB-2500 Category B-A (Item B1.040) requires a volumetric examination on the required weld metal areas of the Reactor Pressure Vessel Closure Head-to-Flange Weld.

JUSTIFICATION FOR RELIEF:

The flange lifting lugs precludes 100% volumetric examination from being performed on the closure head-to-flange weld, as required by the Code.

ALTERNATIVE EXAMINATION:

To the extent practical, restricted by the captioned limitations the required weld volume area will be examined by the ultrasonic method.

CODE CLASS 1 NDE RELIEF REQUESTS

COMPONENT: Pressurizer Piping Safe-end Welds

RELIEF REQUEST NUMBER: 1-PRESS-1

COMPONENT SKETCH ISOMETRIC AND WELD NUMBERS

<u>ISOMETRIC SKETCH</u>	<u>WELD NUMBER(s)</u>
CGE-1-4500	1(DM), 2
CGE-1-4501	1(DM), 2
CGE-1-4501	12(DM), 13
CGE-1-4501	23(DM), 24
CGE-1-4502	1(DM), 2
CGE-1-4503	46(DM), 45

EXAMINATION REQUIREMENT:

Table IWB-2500-1 Category B-F & B-J (Item B5.020 & B9.11) requires a volumetric and surface examination of the pressurizer piping nozzle-to-safe end welds, including 1/2" beyond each of the the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The geometric configuration (changing thickness and direction) of the nozzles prevents ultrasonic examinations from being performed on the nozzle side base metal and, to some extent, on the piping side base metal as required by IWB-2500-8.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume and the base metal area will be examined by the ultrasonic method. Surface examinations will be performed on essentially 100% of the required areas.

CODE CLASS 1 NDE RELIEF REQUESTS

COMPONENT: Pressurizer Nozzle Welds

RELIEF REQUEST NUMBER: 1-PRESS-2

COMPONENT SKETCH ISOMETRIC AND WELD NUMBERS

<u>ISOMETRIC SKETCH</u>	<u>WELD NUMBER(s)</u>
CGE-1-2100	8
CGE-1-2100	9
CGE-1-2100	10
CGE-1-2100	11
CGE-1-2100	12
CGE-1-2100	13
CGE-1-2100	14

EXAMINATION REQUIREMENT:

Table IWB-2500-1 Category B-D (Items B3.110 and B3.120) requires a volumetric examination of the pressurizer nozzle welds and their inside radii including the base metal area as specified by IWB-2500-7.

JUSTIFICATION FOR RELIEF:

The geometric configuration (changing direction and changing thickness) of the nozzles and the projected radiation/contamination levels of their inside radii may prevent ultrasonic examinations from being performed on the required weld metal and base metal areas as specified by IWB-2500-7.

ALTERNATIVE EXAMINATION:

To the extent practical, ultrasonic examinations will be performed on the required external portion of the nozzle base metal and weld metal areas.

CODE CLASS 1 NDE RELIEF REQUESTS

COMPONENT: Pressurizer Head-to-Shell

RELIEF REQUEST NUMBER: 1-PRESS-4

COMPONENT ISOMETRIC SKETCH AND WELD NUMBERS

ISOMETRIC SKETCH

WELD NUMBER(s)

CGE-1-2100

1, 4

EXAMINATION REQUIREMENT:

Table IWB-2500 Category B-B (Item B2.011) requires a volumetric examination on the required weld metal and base metal areas of the Pressurizer circumferential weld joints including 1 "T" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The pressurizer vessel nozzles, axis pads and other welded attachments precludes 100% volumetric examination from being performed on the captioned welds.

ALTERNATIVE EXAMINATION:

To the extent practical, restricted by the captioned limitations the required weld metal and base metal areas will be examined by the ultrasonic method.

CODE CLASS 1 NDE RELIEF REQUESTS

COMPONENT: Steam Generator Piping Safe-End Welds

RELIEF REQUEST NUMBER: 1-S/G-1

COMPONENT SKETCH ISOMETRIC AND WELD NUMBERS

<u>ISOMETRIC SKETCH</u>	<u>WELD NUMBER(s)</u>
CGE-1-4100	4, 5(DM)
CGE-1-4100	6(DM), 7
CGE-1-4200	4, 5(DM)
CGE-1-4200	6(DM), 7
CGE-1-4300	4, 5(DM)
CGE-1-4300	6(DM), 7

EXAMINATION REQUIREMENT:

Table IWB-2500-1 Category B-F & B-J (Item B5.030 & B9.011) requires a volumetric and surface examination of the Steam Generator piping-to-nozzle to safe end welds, including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The geometric configuration (changing thickness and direction) of the nozzles prevents ultrasonic examinations from being performed on the nozzle side base metal and, to some extent, on the piping side base metal as required by IWB-2500-8.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume and the base metal area will be examined by the ultrasonic method. Surface examinations will be performed on essentially 100% of the required areas.

CODE CLASS 1 NDE RELIEF REQUESTS

COMPONENT: Piping System Branch Connections

RELIEF REQUEST NUMBER: 1-PIPE-1

COMPONENT SKETCH ISOMETRIC AND WELD NUMBERS

<u>ISOMETRIC SKETCH</u>	<u>WELD NUMBER(s)</u>
CGE-1-4100	17(BC)
CGE-1-4100	18(BC)
CGE-1-4100	19(BC)
CGE-1-4100	20(BC)
CGE-1-4100	21(BC)
CGE-1-4100	23(BC)
CGE-1-4100	24(BC)
CGE-1-4100	25(BC)
CGE-1-4100	26(BC)
CGE-1-4102	24(BC)
CGE-1-4102	26(BC)
CGE-1-4200	17(BC)
CGE-1-4200	18(BC)
CGE-1-4200	21(BC)
CGE-1-4200	22(BC)
CGE-1-4200	23(BC)
CGE-1-4300	17(BC)
CGE-1-4300	18(BC)
CGE-1-4300	19(BC)
CGE-1-4300	21(BC)
CGE-1-4300	23(BC)
CGE-1-4300	24(BC)
CGE-1-4302	25(BC)
CGE-1-4302	27(BC)
CGE-1-4302	29(BC)

EXAMINATION REQUIREMENT:

Table IWB-2500-1 Category B-J (Item B9.031) requires a volumetric and surface examination of branch pipe connection welds > 2" diameter, including the lesser of 1/2 T or 1" beyond each of the two weld metal edges, where T is the thickness of the weld.

CODE CLASS 1 NDE RELIEF REQUESTS

RELIEF REQUEST NUMBER 1-PIPE-1

JUSTIFICATION FOR RELIEF:

The geometric configuration (changing thickness and direction) of pipe branch connections prevents 100% volumetric examinations from being performed on branch connection welds and the required base metal areas. Practical and meaningful alternative techniques to volumetrically examine the required areas are not presently available.

ALTERNATIVE EXAMINATION:

Surface examinations will be performed on essentially 100% of the required areas. To the extent practical, where results are meaningful, a volumetric examination will be performed on the required areas.

CODE CLASS 1 NDE RELIEF REQUESTS

COMPONENT: Piping System Welds not described in
Relief Request, 1-PIPE-1

RELIEF REQUEST NUMBER: 1-PIPE-2

EXAMINATION REQUIREMENT:

Table IWB-2500-1 Category B-J (B9.011) requires a volumetric and surface examination of longitudinal and circumferential welds 4" piping diameter including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The geometric and design configuration of the piping system constituent parts are such that limitations may occur for volumetric examinations of circumferential and longitudinal butt welds when welds occur at discontinuities such as required weld reinforcement, pipe-to-elbow, pipe-to-flange, pipe-to-valve, valve-to-elbow, flange-to-valve, diameter transitions, thickness transitions, and in areas where integral welded supports, lugs, hangers, etc. are installed. These limitations may preclude examination to all or some part of the required examination area specified in IWB-2500-8.

Volumetric examination from the fitting side will depend upon geometric configuration. For most pipe-to-fitting applications, volumetric examinations can be performed to the extent required by T-532 of ASME Code Section V from the weld and pipe surfaces. In some instances, no volumetric examination can be performed on the fitting side when the fitting is a valve or flange. However, in most cases, 100% of the required weld material can be examined, except in instances where welds may occur at fitting-to-fitting connections.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume and base metal area will be examined by the ultrasonic method. Surface examinations will be performed on essentially 100% of the required areas.

CODE CLASS 2 NDE RELIEF REQUEST INDEX

- 1) Horizontal RHR Heat Exchangers (2)
 - 2) Regenerative Heat Exchanger
 - 3) Letdown Heat Exchanger
 - 4) Excess Letdown Heat Exchanger
 - 5) Volume Control Tank
 - 6) Boron Injection Tank
 - 7) Reactor Coolant Accumulator Tanks (3)
- Relief Request Number: 2-HX-1 (Page 1)

- 1) Regenerative Heat Exchanger
 - 2) Boron Injection Tank
 - 3) R. C. Accumulator Tanks (3)
- Relief Request Number: 2-HX-2 (Page 2)

- 1) Letdown Reheat Heat Exchanger
 - 2) Seal Water Heat Exchanger
 - 3) Reactor Coolant Filter
 - 4) Seal Water Return Filter
- Relief Request Number: 2-H/X-3 (Page 3)

- 1) Horizontal Residual Heat Removal Heat Exchangers (2)
- Relief Request Number: 2-H/X-4 (Page 4)

- 1) Steam Generators (3)
- Relief Request Number: 2-S/G-1 (Page 5)

CODE CLASS 2 NDE RELIEF REQUEST INDEX (Cont'd)

2) Steam Generators

Relief Request Number 2-S/G-2 (Page 6)

1) Piping System Welds

Relief Request Number: 2-PIPE-1 (Page 7)

2) Piping System Welds

Relief Request Number: 2-PIPE-2 (Page 8)

CODE CLASS 2 NDE RELIEF REQUEST

- COMPONENTS:
- 1) Horizontal RHR Heat Exchangers (2)
 - 2) Regenerative Heat Exchanger
 - 3) Letdown Heat Exchanger
 - 4) Excess Letdown Heat Exchanger
 - 5) Volume Control Tank
 - 6) Boron Injection Tank
 - 7) Reactor Coolant Accumulator Tanks (3)

RELIEF REQUEST NUMBER: 2-HX-1

COMPONENT SKETCH AND WELD NUMBERS

<u>SKETCH</u>	<u>WELD NUMBER(s)</u>	<u>ITEM NUMBER</u>
CGE-2-1110	1	C1.10
CGE-2-1110	2	C1.20
CGE-2-1120	1 thru 6	C1.10
CGE-2-1120	9 and 10	C1.20
CGE-2-1130	1	C1.10
CGE-2-1130	2	C1.20
CGE-2-1150	1	C1.10
CGE-2-1200	1	C1.10
CGE-2-1200	2	C1.10
CGE-2-1210	1 & 2	C1.20
CGE-2-1220	1	C1.20
CGE-2-1220	2	C1.10

EXAMINATION REQUIREMENT

Table IWC-2500-1 Category C-A requires a volumetric examination of the described vessels head-to-shell and flange-to-shell welds, as illustrated on the appropriate sketch, including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The design geometric configuration (changing thickness and direction) and/or adjacent welded attachments of the described welds prevent volumetric examination from being performed on the required base metal and weld metal areas as specified by IWC-2520-1.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume and base metal area will be examined by the ultrasonic method.

CODE CLASS 2 NDE RELIEF REQUESTS

COMPONENTS:

- 1) Regenerative Heat Exchanger
- 2) Boron Injection Tank
- 3) R. C. Accumulator Tanks (3)

RELIEF REQUEST NUMBER: 2-HX-2

COMPONENT SKETCH AND WELD NUMBERS

<u>SKETCH NUMBER</u>	<u>WELD NUMBER(s)</u>
CGE-2-1120	7, 8
CGE-2-1210	3, 4
CGE-2-1220	5

EXAMINATION REQUIREMENTS:

Table IWC-2500-1 Category C-B (Item C2.020) requires a volumetric and surface examination of the described vessels' nozzle welds, as illustrated on the appropriate sketch, including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The design geometric configuration (changing thickness and direction) of the nozzle welds prevents volumetric examination from being performed on the required base metal and weld metal areas as specified by IWC-2520-4.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume will be examined by the ultrasonic method. Surface examinations will be performed on essentially 100% of the required areas.

CODE CLASS 2 NDE RELIEF REQUESTS

- COMPONENTS:
- 1) Letdown Reheat Heat Exchanger
 - 2) Seal Water Heat Exchanger
 - 3) Reactor Coolant Filter
 - 4) Seal Water Return Filter

RELIEF REQUEST NUMBER: 2-H/X-3

COMPONENT SKETCH AND WELD NUMBER

<u>SKETCH NUMBER</u>	<u>WELD NUMBER(s)</u>	<u>ITEM NO.</u>
CGE-2-1140	1	C1.10
CGE-2-1140	2	C1.20
CGE-2-1160	1	C1.10
CGE-2-1160	2	C1.20
CGE-2-1310	1	C1.10
CGE-2-1310	2	C1.20
CGE-2-1320	1	C1.10
CGE-2-1320	2	C1.20

EXAMINATION REQUIREMENTS:

Table IWC-2500-1 Category C-A requires a volumetric examination of the described vessels' head-to-shell and flange-to-shell welds, as illustrated on the appropriate sketch, including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The thickness of the material utilized for the construction of these components (.1875" or less) is such that meaningful results cannot be expected with present "State of the Art" ultrasonic examinations.

ALTERNATIVE EXAMINATION:

These welds will be examined using surface and visual techniques. Should ultrasonic methods and techniques become available which would enhance and improve the ultrasonic examinations, such methods and techniques would be employed for the ultrasonic examination of these welds.

CODE CLASS 2 NDE RELIEF REQUESTS

COMPONENTS: Horizontal Residual Heat Removal
Heat Exchangers (2)

RELIEF REQUEST NUMBER: 2-H/X-4

COMPONENT SKETCH AND WELD NUMBER

<u>SKETCH NUMBER</u>	<u>WELD NUMBER(s)</u>
CGE-2-1110	3,4

EXAMINATION REQUIREMENT:

Table IWC-2500-1 Category C-B (Item C2.020) requires a volumetric and surface examination of the described vessels' nozzle welds including the required base metal areas as specified in IWC-2520-4.

JUSTIFICATION FOR RELIEF:

The residual heat removal heat exchanger nozzle to vessel welds are made inaccessible by a reinforcement saddle covering the welds.

ALTERNATIVE EXAMINATION:

The reinforcement saddle welds will be examined by surface methods.

CODE CLASS 2 NDE RELIEF REQUESTS

COMPONENTS: Steam Generators (3)

RELIEF REQUEST NUMBER: 2-S/G-1

COMPONENT SKETCH AND WELD NUMBER

<u>SKETCH NUMBER</u>	<u>WELD NUMBER(s)</u>
CGE-2-1110	9, 10, 11

EXAMINATION REQUIREMENT:

Table IWC-2500-1 Category C-B (Item C2.020) requires a volumetric and surface examination of the described vessels' nozzles including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The design geometric configuration (changing thickness and direction) of the nozzle welds prevents volumetric examination from being performed on the required base metal and weld metal areas as specified by IWB-2520-4.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume by the ultrasonic method. Surface examinations will be performed on essentially 100% of the required areas.

CODE CLASS 2 NDE RELIEF REQUESTS

COMPONENTS: Steam Generators (3)

RELIEF REQUEST NUMBER: 2-S/G-2

COMPONENT SKETCH AND WELD NUMBER

<u>SKETCH NUMBER</u>	<u>STEAM GENERATOR</u>	<u>WELD NUMBER(s)</u>
CGE-2-1110	1	5,6,8
CGE-2-1110	2	5,6,8
CGE-2-1110	3	5,6,8

EXAMINATION REQUIREMENT:

Table IWC-2500-1 Category C-A (Item C1.10 and C1.20) requires a volumetric and surface examination of the described vessels' nozzles including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The design geometric configuration (changing thickness, direction, lugs and weld pads) prevents volumetric examination from being performed on the required base metal and weld metal areas as specified by IWC-2500-1.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume by the ultrasonic method. Surface examinations will be performed on essentially 100% of the required areas.

CODE CLASS 2 NDE RELIEF REQUESTS

COMPONENTS: Piping System Welds

RELIEF REQUEST NUMBER: 2-PIPE-1

EXAMINATION REQUIREMENT:

Table IWC-2500-1 Category C-F (Item C5.20) requires a volumetric and surface examination of longitudinal and circumferential welds 1/2" pipe thickness including 1/2" beyond each of the two weld metal edges.

JUSTIFICATION FOR RELIEF:

The geometric and design configuration of piping system constituent parts are such that limitations may occur for volumetric examinations of circumferential and longitudinal butt welds then welds occur at discontinuities such as pipe-to-elbow, pipe-to-flange, pipe-to-valve, valve-to-elbow, flange-to-valve, diameter transitions, thickness transitions and in areas where integral welded supports, lugs, hangers, etc. are installed. These limitations may preclude examination to all or some part of the required examination areas specified in IWC-2520-7.

Volumetric examination from the fitting side will depend upon geometric configuration. For most pipe-to-fitting applications, volumetric examinations can be performed to the extent required by T-532 of ASME Code Section V from the weld and pipe surfaces. In some instances, no volumetric examination can be performed on the fitting side when the fitting is a valve or flange. However, in most cases, 100% of the required weld material can be examined, except in instances where welds may occur at fitting-to-fitting connections.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume and base metal area will be examined by the ultrasonic method. Surface examinations will be performed on 100% of the exposed areas.

CODE CLASS 2 NDE RELIEF REQUESTS

COMPONENTS: Piping System Welds

RELIEF REQUEST NUMBER: 2-PIPE-2

EXAMINATION REQUIREMENT:

Table IWC-2520 of the 1974 Edition through Summer 1975 Addenda Category C-F and C-G requires a volumetric examination of longitudinal and circumferential welds including the weld metal and base metal for one-wall thickness beyond the edge of weld.

JUSTIFICATION FOR RELIEF:

The geometric and design configuration of piping system constituent parts are such that limitations may occur for volumetric examinations of circumferential and longitudinal butt welds then welds occur at discontinuities such as pipe-to-elbow, pipe-to-flange, pipe-to-valve, valve-to-elbow, flange-to-valve, diameter transitions, thickness transitions and in areas where integral welded supports, lugs, hangers, etc. are installed. These limitations may preclude examination to all or some part of the required examination areas specified in IWC-2600-7.

Volumetric examination from the fitting side will depend upon geometric configuration. For most pipe-to-fitting applications, volumetric examinations can be performed to the extent required by T-532 of ASME Code Section V from the weld and pipe surfaces. In some instances, no volumetric examination can be performed on the fitting side when the fitting is a valve or flange. However, in most cases, 100% of the required weld material can be examined, except in instances where welds may occur at fitting-to-fitting connections.

ALTERNATIVE EXAMINATION:

To the extent practical, the required weld volume and base metal area will be examined by the ultrasonic method. Surface examinations will be performed on essentially 100% of the required areas.