MAINE YANKEE ATOMIC POWER COMPANY •

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April 11, 1984
MN-84-60

GDW-84-83

Director of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing

References: (a) License No. DPR-36 (Docket No. 50-309)
(b) USNRC Letter to MYAPCo dated June 8, 1983
(c) USNRC Letter to MYAPCo dated July 14, 1983

Subject: Maine Yankee Inservice Inspection Program

Gentlemen:

Enclosed is the Maine Yankee Inservice Inspection (ISI) Program for the second 120-month inspection inverval. The resolution of each of the open items from the first 120-month ISI interval is contained in this program. Resolution was obtained through staff acceptance of relief requests, changes in code requirements or submittal of more explicit exemption requests.

The staff's alternative examination method for the reactor coolant pump casing welds, Reference (c), has been incorporated in Relief Request Number 3 of the enclosure.

A master microfiche of the Maine Yankee Inservice Inspection Program is being sent (to the addressee only) in lieu of the customary ten copies.

Very truly yours,

MAINE YANKEE ATOMIC POWER COMPANY

G. D. Whittier
Licensing Section Head

GDW/bjp

Enclosure: Maine Yankee Inservice Inspection Program - (340 pages)

cc: Dr. Thomas E. Murley
Mr. Corneluis F. Holden

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2878L-SEN

INSERVICE INSPECTION PROGRAM

FOR

THE SECOND INSPECTION INTERVAL

DATES 12-28-82 TO 12-28-92

PROGRAM ISSUED 1-23-84

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PREFACE

This program was written not only to satisfy the requirements of law, but also to clearly define the basis and scope of all required inservice inspections to be performed at the Maine Yankee Atomic Power Station.

This program provides information concerning which codes and documents were followed to determine the inspection requirements of the second ten year inspection interval. Also provided in this program is an abstract of the actual inservice inspections to be performed on various safety class components throughout the interval.

One master copy, one working copy, and two other controlled copies of this program shall be maintained by the ISI Coordinator.

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I. INTRODUCTION

1.0 DISCUSSION:

Throughout the service life of a nuclear power facility, components and their supports which are classified ASME Code Class 1, Class 2, and Class 3 shall meet the requirements set forth in Section XI of applicable editions and addenda of ASME Boiler and Pressure Vessel Code, to the extent practical within the limitations of design, geometry and materials of construction of the components. The applicable edition and addenda are defined in Federal Register 46 FR 63208.

Maine Yankee's second inspection interval is from December 28, 1982 to December 28, 1992. Thus, the applicable edition and addenda of ASME Section XI, per 46 FR 63208, are 1980 and winter 1980, respectively. However, 10CFR 50.55a states that the extent of examination for Code Class 1 pipe welds may be determined by the requirements of Tables IWB-2500 and IWB-2600 Category B-J of the 1974 edition of ASME Section XI as addended to the summer of 1975. 10CFR 50.55a also states that the extent of examination for Code Class 2 pipe welds may be determined by the requirements of paragraph IWC-1220, Table-2520 C-F and C-G, and paragraph IWC-2411 in the 1974 edition of ASME Section XI as addended to the summer of 1975.

In addition, Plant Technical Specifications and/or the Nuclear Regulatory Commission may commit Maine Yankee to supplemental or alternative examination requirements.

2.0 REFERENCES:

2.1 Title 10 of the Code of Federal Regulations part 50.55a, January 1, 1982 revision "Codes and Standards" pages 388-396.

2.2 ASME Boiler and Pressure Vessel Code, Section XI.

a) 1974 edition through the summer of 1975 addenda.

b) 1980 edition through the winter of 1980 addenda.

2.3 Maine Yankee Operational Quality Assurance Program.

2.4 Maine Yankee Technical Specificatons.

2.5 Maine Yankee Surveillance Procedures.

a) 3.17.6 Inservice Inspection.

b) 3.17.6.1 NDE of Safety Class Components.

c) 3.17.6.2 Steam Generator Tube Eddy Current Testing.

d) 3.17.6.3 Reactor Coolant System Leak Test.

e) 3.17.6.4 Surveillance Inspection of Shock Suppressors.

f) 3.17.6.5 Inspection of Class 1 Spring Hangers.

g) 3.17.6.8 Inspection of Class 2 and 3 Spring Hangers.

h) 3.17.6.9 ISI History.

i) 3.17.6.10 ISI Data and Certification Control.

j) 3.17.6.11 NIS-1 Reports.

k) 3.17.6.12 ISI Insulation.

l) 3.17.6.13 Minor Defect Removal.

m) 3.17.6.14 Cleaning for NDE.

n) 17.25 Hydro Testing.

o) YAEC - NDE Procedures.

p) YAEC - Weld Profiling.

2.6 NRC Regulatory Guides, Bulletins, etc.

a) IE - Bulletin 82-02.

b) Reg. Guide 1.65.

c) Reg. Guide 1.150.

d) Reg. Guide 1.147.

e) Reg. Guide 1.44.

f) Reg. Guide 1.58

g) Federal Register 46 FR 63208.

h) ANSI N45.2-6 - 1971.

i) SNT-TC-1A, 1975

3.0 RESPONSIBILITY

3.1 The responsibility of the owner is to meet all examination requirements as delineated in ASME Section XI, Plant Tech. Specs., and other NRC commitments.

a) For Safety Class 1 and 2 pipe weld requirements, reference 1974 edition of ASME Sec. XI as addended to the summer of 1975 and 10 CFR 50.55a.

b) For Pressure Retaining Bolting, reference 1980 Sec. XI, W'80, IE Bulletin 82-02, and Reg. Guide 1.65.

c) For Reactor Vessel Welds, reference 1980 Sec. XI, W'80 and Reg. Guide 1.150.

d) For Steam Generator Tubes, reference Plant Tech. Specs. and procedure 3.17.6.2.

e) For Spring Hangers and Shock Suppressors, reference 1980 Sec. XI, W'80 and M.Y. surveillance procedures.

f) For Hydrostatic Testing, reference 1980 Sec. XI, W'80 and procedure 17.25.

g) For other components and their supports, reference 1980 Sec. XI, W'80.

3.2 Responsibilities of the examination agencies are delineated in YAEC procedure YA-ISI-2 and the applicable purchasing specifications for NDE Services.

3.3 Responsibilities of the Inspector are delineated in 1980 Sec. XI, W'80.

4.0 SUPPORT SERVICES:

Support Services provided by Maine Yankee will be as follows:

4.1 Access will be provided to the points of examination through any shielding which may be present.

4.2 Work platforms and staging will be provided adjacent to the areas where work and inspection is to be performed.

4.3 In those areas to be examined which are normally covered with thermal insulation, the insulation will be removed and replaced.

4.4 Wire brushing or lightly grinding metal surfaces for proper NDE examination, as required. This service may be requested of the Examination Agency.

4.5 Make available the examination results and procedures from previous examinations.

4.6 Make available all plant drawings pertaining to the inservice inspection, e.g., general arrangement, piping, piping hangers, and supports, etc.

4.7 Provide all calibration standards.

4.8 Protective clothing necessary for work in a radioactive environment.

4.9 Health Physics services including personnel, film badges, dosimeters and all other services required to work in a radioactive environment.

4.10 Adequate space and material for the decontamination of equipment and supplies belonging to the Examination Agency and to be removed from the plant site.

4.11 Reasonable machine shop support for the repair and/or modification of equipment during the examinations, e.g., light grinding or lathe operation, chasing threads, removing burrs or gouge marks from pins, etc.

4.12 Desk space and telephone services for the duration of the examinations.

4.13 Cleanup after examinations such as removal of platforms, ladders, etc. The Examination agency will remove couplants and surface examination dyes, cleaners, etc.

4.14 Provide NDE personnel indoctrination of Maine Yankee Safety, Health Physics, and Security Programs.

5.0 EXAMINATION AND TESTING TECHNIQUES:

5.1 All examination techniques and NDE procedures shall be in compliance with 1980 Sec. XI, W'80. Approved procedures shall be provided by either the examination agencies, Yankee Atomic Electric Company, or by Maine Yankee. Any changes to the procedures shall receive the same review and approval as did the original.

6.0 QUALIFICATON OF EXAMINING PERSONNEL AND EQUIPMENT:

6.1 Personnel performing non-destructive examinations of Safety Class 1, 2, and 3 components and the equipment and materials used for these examinations shall be qualified in accordance with the provisions of 1980 Sec. XI, W'80 and the procedures listed in the reference section.

6.2 Pressure tests, shock suppressor and spring hanger inspections shall be performed by Maine Yankee and Yankee Atomic personnel qualified in accordance with the provisions of 1980 Sec. XI, W'80.

6.3 Qualification records of personnel performing NDE and Visual Examination shall be reviewed by Maine Yankee's Quality Assurance Group.

7.0 EVALUATION OF EXAMINATION RESULTS:

7.1 Components whose examination either reconfirms the absence of flaw indications or reveals flaw indications that are not in excess of allowable flaw indications of the acceptance standards designated in the examination procedures, shall be acceptable for continued service. Verified changes of indications from prior examinations shall be recorded in accordance with the examination procedure.

7.2 Components whose examination reveals flaw indications that are in excess of the allowable acceptance standards designated in the examination procedure shall be unacceptable for continued service until one of the following requirements are met:

a) The flaw indication is evaluated in accorcance with IWB-3600, "Analytic Evaluation of Indication", and found to be acceptable for continued service. In such cases, the area containing this flaw indication(s) shall be re-examined during the next three successive periods, as required by IWB-2420 and IWC-2420.

b) The flaws are either removed or repaired to the extent necessary to meet the allowable flaw acceptance standards of the examination procedure.

7.3 Examinations performed during any inspection that reveal indications exceeding the allowable acceptance standards of the examination procedure shall be extended to include an additional number of components (or areas) within the same examination category, approximately equal to the number of components (or areas) examined initially during the inspection in accordance with IWB-2430 and IWC-2430, "Additional Examinations" of ASME Sec. XI.

8.0 COMPONENTS SUBJECT TO EXAMINATION:

8.1 The components subject to examination are all safety class 1, 2, and 3 components and their supports unless otherwise exempt in accordance with ASME Sec. XI.

8.2 Components which are part of system boundaries which are exempt from examination by ASME Section XI shall be visually inspected during system pressure tests.

9.0 REPAIR PROCEDURES:

9.1 Maine Yankee will be responsible for all repairs performed. Repairs shall be in accordance with the Plant's Operational Quality Assurance Manual and, as such, all repairs shall be performed in accordance with approved procedures by personnel qualified for these procedures.

9.2 Repaired areas shall be examined by the same method used which detected the flaw originally. Weld repairs on pressure boundaries shall be hydrostatically tested in accordance with IAW-5000 of ASME Sec. XI. The following repairs do not require a hydrostatic test.

1) Cladding repairs;

2) Heat exchanger tube plugging;

3) Piping, pump, and valve repairs that do not penetrate through the pressure boundary;

4) Pressure vessel repairs where the repaired cavity does not exceed 10% of the minimum design wall thickness;

5) Component connections, piping, and associated valves that are 1 inch nominal pipe size and smaller.

If only disassembly and reassembly of mechanical joints of a component are involved (e.g., bolted flange connection), a system pressure test may be performed in lieu of a hydrostatic test (see IWA-5211 of Sec. XI).

10.0 RECORDS AND REPORTS:

10.1 Maine Yankee shall maintain a system of records and reports in accordance with the 1980 edition of ASME Sec. XI as addended to the winter of 1980.

10.2 Changes to this program shall be documented in accordance with Maine Yankee procedure 3.17.6.

11.0 GUARANTEES, LIENS, AND INSURANCES:

11.1 Guarantees, liens, and insurances required of the examination agency shall be as stipulated in the applicable purchasing specifications for NDE Services.

12.0 LEAK TESTING:

12.1 Leak test and hydrostatic tests will be conducted in accordance with Article IWA 5000 of ASME Sec. XI. Should it be found that complete hydrostatic testing of some systems be impractical due to system design, overpressurization of lower pressure components or portions of systems, or for other comparable reasons, Maine Yankee Atomic Power Company reserves the right to alter the testing requirements as allowed by paragraph (g) (5) of 10 CFR 50.55a. The alternative testing requirements will receive the same review and approval as the program itself. Leak testing of Safety Class 1, 2, and 3 systems will be in accordance with Articles IWB 5000, IWC 5000, and IWD 5000, respectively.

13.0 CODE EXEMPTIONS:

13.1 Safety Class 1 Exemptions.

13.1.1 Reference 1.2b IWB-1220.

The following components (or parts of components) are exempted from the volumetric and surface examination requirements of IWB-2500:

a) Component connections, piping, and associated valves of 1 in. nominal pipe size and smaller, except for steam generator tubing;

b) Reactor vessel head connections and associated piping, 2 in. nominal pipe size and smaller, made inaccessible by control rod drive penetrations.

c) Reference 1.2b Table IWB-2500-1 Category B-H Note 1 p. 57 reactor pressure vessel supports are exempt.

13.2 Safety Class 2 Exemptions

13.2.1 Reference 1.2b IWC-1220

The following components shall be exempted from the inservice examination requirements of IWC-2500.

a) Components of systems or portions of systems, other than Residual Heat Removal Systems and Emergency Core Cooling Systems, that are not required to operate above a pressure of 275 psig (1900 kPa) or above a temperature of 200°F (93°C).

b) Component connections (including nozzles in vessels and pumps), piping and associated valves, and vessels and their attachments that are 4 in. nominal pipe size and smaller".

c) Reference 1.2b IWC-1230

Piping support members and piping support components that are encased in concrete shall be exempted from the examination requirements of IWC-2500.

13.3 Safety Class 3 Exemptions

13.3.1 Reference 1.2b IWD-1200

a) Integral attachments of supports and restraints to components that are 4 in. nominal pipe size and smaller shall be exempt from the visual VT-3 examination, except for PWR Auxiliary Feedwater Systems.

b) Integral attachments of supports and restraints to components exceeding 4 in. nominal pipe size may be exempted from the VT-3 examination if the components are located in systems whose function is not required for Residual Heat Removal, Emergency Core Cooling, or Containment Heat Removal; or the components operate at a pressure of 275 psig or less and at a temperature of 200°F or less.

14.0 SYSTEM BOUNDARIES SUBJECT TO INSERVICE INSPECTION

The systems and components within the scope of the Maine Yankee Inservice Inspection Program have been divided into Safety Class 1, 2, and 3 so that the rules of Section XI of the ASME Boiler and Pressure Vessel Code may be applied. The components selected for examination conform to the classification requirements* of 10 CFR 50.55a for the Reactor Coolant Pressure Boundary and with the guidelines of USNRC Regulatory Guide 1.26, Revision 3, "Quality Group Classifications and Standards for Water, Steam and Radioactive Waste Containing Components of Nuclear Power Plants," for other safety-related systems.

*Refer to the ASME Boiler and Pressure Vessel Code, Section XI, 1980 Edition through Winter 1980 Addenda, IWA-1400(a), Note 6.

The classifications and identifications of the components and the system boundaries are given on the plant flow diagrams (FM's). These classifications and identifications correspond with the NRC group classification as follows:

NRC Quality Group Classification	Flow Diagram and ASME Class
A	1
B	2
C	3
D	0

The system classification assigned by the plant constructor and which appear on the plant flow diagrams (FM series) were reviewed for consistency with the requirements of 10 CFR 50.55a for Class 1 systems and components and with Regulatory Guide 1.26 for Class 2 and 3 systems and components. The original assignment of Safety Classifications at the time of plant construction was done in accordance with ANSI Standard N18.2 and, as a result, some differences exist. These differences are summarized below.

1) Regulatory Guide 1.26 for Class 2 and 3 systems applies to "Water, Steam, and Radioactive-Waste-Containing Components of Nuclear Power Plants". Systems and components designated by the plant constructor to meet ANSI N18.2 requirements, but containing other materials such as air, nitrogen, diesel oil or lube oil are outside the scope of Section XI and will not be part of the Inservice Inspection Program. The systems and components affected are listed in Table 1.

2) Certain portions of radioactive waste management systems were classified as Class 3 by the constructor, however, paragraph C2d of Regulatory Guide 1.26, which defines Quality Group C, applies to "Systems, other than radioactive waste management systems*, ...". Therefore, radioactive waste management systems, other than those included in Quality Group B, will not be part of the Inservice Inspection Program.

*Specific guidance on the quality group classification of radioactive waste management systems is under development.

TABLE 1

SYSTEMS AND COMPONENTS OUTSIDE THE SCOPE OF ASME SECTION XI

System Description	Code Class	Fluid Contained	Affected Components	Drawing Reference
Nitrogen	2	Nitrogen	2" - GN-2 2" - GN-3	FM-29A (H-2) (H-2)
Carbon Dioxide	2	CO_2	CO_2 line to entrance room	FM-40A (J-4)
Containment Leakage	2	Air	3/8" - LM-1 3/8" - LM-2 3/8" - LM-3 3/8" - LM-4	FM-20B (D-2) to (G-2) (D-2) to (G-2) (D-3) to (G-3) (D-3) to (G-3)
Compressed	2/3	Air	3" ASC - 35	FM-20B (D-4) to (E-5)
Instrument Control Air	2	Air	1 1/2" line to containment	FM-20B (D-5)
Containment Air Activity Monitoring	2	Air	1" - ACC-33 1" - ACC-36 8" - ACC-25	FM-20B (D-6) (D-6) (A-7)
Diesel Generator Starting Air	3	Air	1 1/2" - DCC-1 1 1/2" - DCC-2 1 1/2" - DCC-3 1 1/2" - DCC-4 3/4" - DCC-5	FM-27A (H-2) to (H-6) (K-2) to (K-5) (H-3) to (K-3) (K-5) to (K-5) (L-1) to (L-5)
Post Accident Purge System	2/3	Air	2" - ACC-26 2" - ACC-39 3/4" - ACC-40 H_2 Analyzer 1001X H_2 Analyzer	FM-35A (A-6) to (A-8) (B-8) to (G-8) (B-8) (E-9) (E-8)
Lubricating and Fuel Oil Piping	3	Diesel Oil	1" OF-16 1" OF-20 Day Tank (TK-62A) Day Tank (TK-62B) Diesel Gen. 1A Diesel Gen. 1B	FM-19A (H-7) (J-7) (G-6) (J-6) (I-6) (K-6)
Containment Purge	2	Air	Supply Exhaust	

CLASS 2 PORTIONS OF SYSTEMS AT CONTAINMENT PENETRATIONS BETWEEN CLASS 3 OR NNS CLASS COMPONENTS

Table 2 below lists those systems which may be applied to subparagraph IWA-1300(f) of the 1980 edition of ASME Section XI which states: :The portion of piping that penetrates a containment vessel, which is required by Section III to be constructed to Class 1 or 2 rules for piping and which may differ from the classification of the balance of the piping system, need not affect the overall system classification that determines the applicable rules of this section". Accordingly, where the components beyond the containment penetration are classified as Class 3, the Class 2 piping will be examined in accordance with the rules of subsection IWD of Section XI. Where the components beyond the penetration area are classified as non-nuclear class, the Class 2 piping will be considered exempt from the requirements of Section XI.

TABLE 2

LINE/COMPONENT	DRAWING	SAFETY CLASS	EXAMINE "PER"
PCC-147, 148, 154, 157, 167, 169, 186, 192, 194, 200, 237, 238, 242, 246, 251, 265, 270, 280, 282, 284, 290, 370, 372	FM-34C	2	Subarticle IWD, Functionally Class 3
GN-2	FM-29A	2	No Examination Required, Functionally NNS
VRL-39	FM-33A	2	No Examination Required, Functionally NNS
RWL-1	FM-40A	2	No Examination Required, Functionally NNS
VL-22	FM-33B	2	No Examination Required, Functionally NNS
CH-82, 83, 77, 81, 89, 255, DRL-121, 122	FM-31A	2	No Examination Reqired, Functionally NNS

II. SAFETY CLASS 1 REQUIREMENTS

The following Safety Class 1 examination methods and component selection were determined in accordance with the 1980 edition of ASME Boiler and Pressure Vessel Code, Section XI addended to the winter of 1980, except for the selection of Category B-J welds which was determined in accordance with the 1974 edition of the ASME Boiler and Pressure Vessel Code, Section XI as addended to the summer of 1975. The method of examination for Category B-J welds was determined by the 1980 edition of ASME, Section XI. The other few exceptions or requirements are as noted in the following tables.

1.0 SAFETY CLASS 1 COMPONENTS

Item	Total Number in Plant	To Be Inspected This Interval			Relief Request	Remarks
		1	2	3		
CATEGORY B-A, PRESSURE RETAINING WELDS IN REACTOR VESSEL						
B1.10 Shell Welds						
Circumferential	3	0	0	1		
Longitudinal	9	0	0	1		
B1.20 Head Welds						
Circumferential	2	0	0	1		Accessible Areas
Meridional	13	0	0	1		
B1.30 Shell/Flange Weld	1			100%		
From Flange Face	1	50%	50%			
B1.40 Closure Head to Flange Weld	1	33%	33%	33%		
CATEGORY B-B, PRESSURE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VESSEL						
PRESSURIZER						
B2.10 Shell/Head Weld						
Circumferential	3	1	1	1		
Longitudinal	4	4" of 1	4" of 1	4" of 1		
STEAM GENERATORS (Primary Side)						
B2.30 Head Welds						
Circumferential	15	33% of 1	33% of 1	33% of 1		One generator only
Meridional	15	33% of 1	33% of 1	33% of 1		One generator only
B2.40 Tubesheet to Head Weld	3	1	1	1		
HEAT EXCHANGERS						
B2.50 Shell or Head Welds						
Regenerative Ht.Exch. E-67						
Circumferential	2	1	0	1		

Item	Total Number in Plant	To Be Inspected This Interval			Relief Request	Remarks
		1	2	3		
CATEGORY B-D, FULL PENETRATION WELDS IN NOZZLES IN VESSELS						
REACTOR VESSEL						
B3.90 Nozzel-to-Vessel Welds	6	0	0	6		Deferrable to end of interval
B3.100 Nozzle inside Radius Section	6	0	0	6		Deferrable to end of interval
PRESSURIZER						
B3.110 Nozzle-to Vessel Welds	7	2	3	2		Deferrable to end of interval
B3.120 Nozzle Inside Radius Section	7	2	3	2		Deferrable to end of interval
STEAM GENERATORS (Primary Side)						
B3.130 Nozzle-to-Vessel Welds	6	2	2	2		Deferrable to end of interval
B3.140 Nozzle Inside Radius Section	6	2	2	2		Deferrable to end of interval
CATEGORY B-E, PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSELS						
REACTOR VESSEL						
B4.10 Partial Penetration Welds						
CRD Nozzles	65					During Hydro
Instrument Nozzles	49					During Hydro
PRESSURIZER						
B4.20 Heater Penetration	120					During Hydro
CATEGORY B-F, PRESSURE RETAINING DISSIMILAR METAL WELDS						
PRESSURIZER						
B5.20 Nozzle-to-Safe End Weld	6	2	2	2	RR-2, 5	
B5.50 Piping Safe-End Welds	27	9	9	9	RR-1,2,5	

Item	Total Number in Plant	To Be Inspected This Interval			Relief Request	Remarks
		1	2	3		
CATEGORY B-G-1, PRESSURE RETAINING BOILING LARGER THAN 2 in. IN DIA.						
REACTOR VESSEL						
B6.10 Closure Head Nuts	54	18	18	18		See Reg. Guide 1.65
B6.20 and B6.30 Closure Studs in Place or Removed	81	27	27	27		See Reg. Guide 1.65
B6.40 Threads in Flange	54	0	0	54		See Reg. Guide 1.65
B6.50 Closure Washers and Bushings	54	18	18	18		See Reg. Guide 1.65
PUMPS						
Reactor Coolant Pumps						
B6.180 Bolts and Studs in Place or Removed	48	16	16	16		
B6.190 Flange Surfaces	3					When disassembled
B6.200 Bolting (Nuts, bushings, washers and threads in stud holes)	48	16	16	16		
CATEGORY B-G-2, PRESSURE RETAINING BOLTING, 2 in. AND SMALLER IN DIA.						
B7.10 Reactor Vessel Bolting	32	16	8	8		
B7.20 Pressurizer	20	7	6	7		
B7.30 Steam Generators E-1-1, 2, 3	120	40	40	40		
B7.40 Piping Valve Flange	5	2	2	1		
B7.70 Valves	74	25	25	24		
CATEGORY B-H, INTEGRAL ATTACHMENTS FOR VESSELS						
PRESSURIZER						
B8.20 Integrally Welded Attachments						
Support Skirt	1	33%	33%	33%		

Item	Total Number in Plant	To Be Inspected This Interval			Relief Request	Remarks
		1	2	3		
CATEGORY B-H, INTEGRAL ATTACHMENTS FOR VESSELS						
STEAM GENERATORS						
B8.30 Integrally Welded Attachments Support Skirt	3	33% of 1	33% of 1	33% of 1		One generator only
CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING						
B4.5 Circumferential Welds	479	39	42	37	RR-2, 4	Ref. 74, S75
B4.6 Branch Welds greater than 6"	28	3	2	5		
B4.7 Branch Welds less than or equal to 6"	23	4	2	1		
B9.48 Socket Welds	310	22	23	26		
CATEGORY B-K-1, INTEGRAL ATTACHMENTS FOR PIPING, PUMPS AND VALVES						
B10.10 Piping Welded Attachments	18	6	6	6		Total number in plant under evaluation.
CATEGORY B-L-1, B-M-1 PRESSURE RETAINING WELDS IN PUMP CASINGS AND VALVE BODIES B-L-2, B-M-2 PUMP CASINGS AND VALVE BODIES						
PUMPS						
B12.10 Pump Casing Welds - Reactor Coolant Pumps	3				RR-3	
B12.20 Pump Casings Reactor Coolant Pumps	3				RR-3	
VALVES						
B12.40 Valve Bodies Exceeding 4 in.	26	1	2	3	RR-6	
Pipe						
CATEGORY B-N-1, INTERIOR OF REACTOR VESSEL, B-N-2, INTEGRALLY WELDED CORE SUPPORT STRUCTURES AND INTERIOR ATTACHMENTS TO REACTOR VESSELS, B-N-3 REMOVABLE CORE SUPPORT STRUCTURE						
REACTOR VESSEL						
B13.10 Vessel Interior	1	1	1	1		
B13.30 Core Support Structures Removed	1			1		Deferrable to end of interval.

Item	Total Number in-Plant	To Be Inspected This Interval			Relief Request	Remarks
		1	2	3		
CATEGORY B-O, PRESSURE RETAINING WELDS IN CONTROL ROD HOUSINGS						
B14.10 Housing Welds	28			10% Periph.		End of internal
CATEGORY B-P, ALL PRESSURE RETAINING COMPONENTS						
Reactor Coolant System Pressure Boundary Leak Test	1					Each refueling
Pressure Boundary Hydrostatic Test	1			1		Once per interval
CATEGORY B-Q, STEAM GENERATOR TUBES						
Steam Generator Tubes						See Tech. Specs.

CATEGORY B-A, PRESSURE RETAINING WELD IN REACTOR VESSEL

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B1.10 SHELL WELDS									
Circumferential					100% of one beltline				permissible to
	RPV-B	UT	TB-52	A-533	region weld located			X	defer to the end
	RPV-C			Gr. B	at a structural				of the interval.
	RPV-D			Class	discontinuity				
									See Reg Guide 1.150
Longitudinal					100% of one beltline				permissible to
					region weld located				defer to the end
					at structural				of the interval.
					discontinuity				
	RPV-A-1								
	RPV-A-2								
	RPV-A-3								
	RPV-B-1								
	RPV-B-2								
	RPV-B-3								
	RPV-C-1	UT	TB-52	A-533				X	
	RPV-C-2			Gr. B					
	RPV-C-3			Class 1					
B1.20 HEAD WELDS									
Circumferential					100% of the				permissible to
					accessible length of				defer to the end
					one weld				of the interval.
	CHC-1	UT	TB-52	A-533				X	
	RPV-E			Gr. B					
				Class 1					
Meridional					100% of the				permissible to
					accessible length of				defer to the end
					one weld				of the interval.
	CHPS-1	UT	TB-52	A-533				X	
	CHPS-2			Gr. B					
	CHPS-3			Class 1					
	CHPS-4								

CATEGORY B-A, PRESSURE RETAINING WELD IN REACTOR VESSEL

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
	CHPS-5								
	CHPS-6								
	RPV-D-1								
	RPV-D-2								
	RPV-D-3								
	RPV-D-4								
	RPV-D-5								
	RPV-D-6								
	RPV-D-7								
B1.30 SHELL-TO-FLANGE WELD					100% of weld				
	RPV-A	UT	TB-52	A-533 Gr. B Class 1				X	Permissable to defer to end of interval
From Flange Face						X	X		
B1.40 CLOSURE HEAD-TO-FLANGE					100% of weld				
	CHF-1	UT	TB-16	A-533 Gr. B Class 1		X	X	X	

CATEGORY B-B, PRESSURE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VESSEL

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
PRESSURIZER									
B2.10 SHELL/HEAD WELDS									
Circumferential					100% of all welds				
	P-C1	UT	TB-17	A-533 Gr. B Class 1		X			
	P-C3	UT	TB-17	A-533 Gr. B Class 1				X	
Longitudinal					12 inches of one weld which intersects head-to-shell weld				
	P-VL1	UT	TB-17	A-533		X			
	P-VL2	UT	TB-17	Gr. B		X			
	P-VU1	UT	TB-17	Class 1				X	
	P-VU2	UT	TB-17					X	
STEAM GENERATORS									
B2.30 HEAD WELDS									
Circumferential					100% of one weld on one steam generator				
	*C-2	UT	TB-16	A-533		X	X	X	33% each period
	*C-3			Gr. B					*refers to a
	*C-4			Class 1					specified steam
	*C-5								generator 1,2, or 3
	*C-6								
Meridional					100% of one weld on one steam generator				
	*M-1								*refers to a
	*M-2								specific steam
	*M-3								generator 1,2, or 3
	*M-4	UT	TB-16	A-533 Gr. B Class 1		X	X	X	33% each period
	*M-5								

CATEGORY B-B, PRESSURE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VESSEL

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B2.40 TUBE SHEET-TO-HEAD WELD					100% of each weld				
	1-C-1	UT	TB-16	A-533 Gr. B Class 1		X			
	2-C-1	UT	TB-16	A-533 Gr. B Class 1			X		
	3-C-1	UT	TB-16	A-533 Gr. B Class 1				X	
HEAT EXCHANGER B2.60 TUBE SHEET-TO-HEAD WELDS									
Regenerative Heat Ex E-67					100% of one weld per head				
	RHE-1	UT	TB-3	SA-182 F304		X			
	RHE-11	UT	TB-3	SA-182 F304				X	

CATEGORY B-D, FULL PENETRATION WELDS OF NOZZLES IN VESSELS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
REACTOR VESSEL									
B3.90 NOZZEL-TO-VESSEL WELDS					All nozzles including adjacent areas of nozzle and vessel				permissible to defer to end of interval.
	RPV-AA-1	UT	TB-19	A-508-64 Class 2.				X	
	RPV-BB-1	UT	TB-19	A-508-64 Class 2				X	
	RPV-CC-1	UT	TB-19	A-508-64 Class 2				X	
	RPV-DD-1	UT	TB-19	A-508-64 Class 2				X	
	RPV-EE-1	UT	TB-19	A-508-64 Class 2				X	
	RPV-FF-1	UT	TB-19	A-508-64 Class 2				X	
B3.100 NOZZLE INSIDE RADIUS SECTION					All nozzles including adjacent areas of nozzle and vessel				permissible to defer to end of interval.
	IR-AA-1	UT	TB-19	A-508-64 Class 2				X	
	IR-BB-1	UT	TB-19	A-508-64 Class 2				X	
	IR-CC-1	UT	TB-19	A-508-64 Class 2				X	
	IR-DD-1	UT	TB-19	A-508-64 Class 2				X	
	IR-EE-1	UT	TB-19	A-508-64 Class 2				X	
	IR-FF-1	UT	TB-19	A-508-64 Class 2				X	
PRESSURIZER									
B3.110 NOZZLE-TO-VESSEL WELDS					All nozzles including adjacent areas of nozzle and vessle.				permissible to defer to end of interval.
	PN-1	UT	TB-17	A-533 GR. B Class 2		X			

CATEGORY B-D, FULL PENETRATION WELDS OF NOZZLES IN VESSELS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B3.110 (continued)									
	PN-2	UT	TB-17	A-533		X			
				Gr. B					
				Class 1					
	PN-3	UT	TB-17	A-533			X		
				Gr. B					
				Class 1					
	PN-4	UT	TB-17	A-533			X		
				Gr. B					
				Class 1					
	PN-5	UT	TB-17	A-533			X		
				Gr. B					
				Class 1					
	PN-6	UT	TB-17	A-533				X	
				Gr. B					
				Class 1					
	PN-15	UT	TB-17	A-533				X	
				Gr. B					
				Class 1					
B3.120 NOZZLE INSIDE RADIUS SECTION					All nozzles including adjacent areas of nozzle and vessel				permissible to defer to end of interval.
	IR-PN-1	UT	TB-15	A-508-64		X			
				Class 2					
	IR-PN-2	UT	TB-15	A-508-64		X			
				Class 2					
	IR-PN-3	UT	TB-15	A-508-64			X		
				Class 2					
	IR-PN-4	UT	TB-15	A-508-64			X		
				Class 2					
	IR-PN-5	UT	TB-15	A-508-64			X		
				Class 2					
	IR-PN-6	UT	TB-15	A-508-64				X	
				Class 2					
	IR-PN-15	UT	TB-15	A-508-64				X	
				Class2					

CATEGORY B-D, FULL PENETRATION WELDS OF NOZZLES IN VESSLES

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
STEAM GENERATORS									
B3.130 NOZZLE-TO-VESSEL WELDS					All nozzles including adjacent areas of nozzle and vessel				permissible to defer to end of interval.
E-1-1	N-1	UT	TB-20	A-508-64 Class 2		X			
	N-2	UT	TB-20	A-508-64 Class 2		X			
E-1-2	N-1	UT	TB-20	A-508-64 Class 2			X		
	N-2	UT	TB-20	A-508-64 Class 2			X		
E-1-3	N-1	UT	TB-20	A-508-64 Class 2				X	
	N-2	UT	TB-20	A-508-64 Class 2				X	
B3.140 NOZZLE INSIDE RADIUS									
E-1-1	N-1	UT	TB-20	A-508-64 Class 2		X			
	N-2	UT	TB-20	A-508-64 Class 2		X			
E-1-2	N-1	UT	TB-20	A-508-64 Class 2			X		
	N-2	UT	TB-20	A-508-64 Class 2			X		
E-1-3	N-1	UT	TB-20	A-508-64 Class 2				X	
	N-2	UT	TB-20	A-508-64 Class 2				X	

CATEGORY B-E, PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSELS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
REACTOR VESSEL									
B4.12 CONTROL ROD DRIVE NOZZLES					25% of all nozzles				
	1 to 65	VT-2				X	X	X	1/3 each period
B4.13 INSTRUMENTATION NOZZLES					25% of all nozzles				
	66 to 69	VT-2				X	X	X	1/3 each period
	1 to 45	VT-2				X	X	X	1/3 each period

CATEGORY B-F, PRESSURE RETAINING DISSIMILAR METAL WELDS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
PRESSURIZER									
B5.20 NOZZLE-TO-SAFE-END WELD					100% of all welds				
	SE-1	LP					X		
	SE-2	LP				X			
	SE-3	LP				X			
	SE-4	LP					X		
	SE-5	LP						X	
	SE-15[1,2]	UT, LP	TB-21,24	A508-64 CL. 2 SA351 Gr CF8M				X	See notes next page
B5.50 PIPE SAFE-END WELDS									
Line 33 1/2" RC-1	SE-5	LP				X			3" NPS
	SE-6[1]	UT,LP	TB-21,27	A508-64 CL. 1 A451 CPF8M		X			See notes next page

CATEGORY B-F, PRESSURE RETAINING DISSIMILAR METAL WELDS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B5.50 (Continued)									
	SE-J[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M			X		
	SE-I[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M			X		
Line 33 1/2" RC-2	SE-D[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M				X	Remote access only
	SE-6	LP				X			2" NPS
Line 33 1/2" RC-3	SE-1[1]	UT,LP	TB-21,27	A508-64 Cl. 1 A451 CPF8M		X			
	SE-2	LP					X		2 1/2" NPS
	SE-3	LP					X		3" NPS
	SE-B[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M		X			

NOTES: 1) UT on carbon steel side only (Relief Requests 1, 2, and 5)

2) RT when line is drained.

CATEGORY B-F, PRESSURE RETAINING DISSIMILAR METAL WELDS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B5.50 (Continued)									
Line 33 1/2" RC-7	SE-29	UT,LP	TB-21,27	A508-64 Cl. 1 A451 CPF8M		X			
	SE-J[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M			X		
	SE-I[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M			X		
Line 33 1/2" RC-8	SE-D[1]	UT,LP	TB-11,18	A516 Gr. 70 A45182 F316				X	Remote access only
	SE-5	LP					X		2" NPS
Line 33 1/2" RC-9	SE-1	LP					X		3" NPS
	SE-2[1]	UT,LP	TB-21,27	A508-64 Cl. 1 A451 CPF8M		X			
	SE-3	LP						X	3" NPS
	SE-B[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M			X		

NOTE: 1) UT carbon steel side only (relief requests 2 and 5)

CATEGORY B-F, PRESSURE RETAINING DISSIMILAR METAL WELDS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B5.50 (continued)									
Line 33 1/2" RC-12	SE-5	LP				X			3" NPS
	SE-J[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M				X	
	SE-I[1]	UT,LP	TB-11,18	A516 GR. 70 A451 CPF8M				X	
Line 33 1/2" RC-13	SE-D[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M				X	Remote access only
	SE-5	LP						X	2" NPS
Line 33 1/2" RC-14	SE-1[1]	UT,LP	TB-21,27	A508-64 Cl. 1 A451 CPF8M		X			
	SE-2	LP						X	3" NPS
	SE-B[1]	UT,LP	TB-11,18	A516 Gr. 70 A451 CPF8M		X		X	

NOTES: 1) UT carbon steel side only (relief requests 2 and 5).

CATEGORY B-G-1, PRESSURE RETAINING BOLTING GREATER THAN 2 INCH IN DIAMETER

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
REACTOR VESSEL									
B6.10 CLOSURE HEAD NUTS[1]	1-54	MT		A-540 Gr. B 23-24 Class 3	All nuts			X	Permissible to defer to the end of interval.
B6.20 CLOSURE HEAD STUDS[1, 2]	1-27 28-54 IS-27S	UT	TB-6	A-540 Gr. B 23-24 Class 3	All studs	X	X	X	Permissible to defer to the end of interval.
B6.40 THREADS IN FLANGE	1-54	UT	TB-20	A-508-64 Class 2	All ligaments			X	Permissible to defer to end of interval.
B6.50 CLOSURE WASHERS[1]	1-54	VT-1		A-540 Gr. B 23, 24 Class 3	All washers			X	Permissible to defer to end of interval.
PUMPS									
B6.180 STUDS [2]		UT	TB-8	A-540 Gr. B	All studs				Permissable to defer to end of interval.
RCP-1	1-16			23					
RCP-2	1-16								
RCP-3	1-16							X	
B6.190 FLANGE SURFACE									When disassembled.
B6.200 NUTS & WASHERS		VT-1	-		All ligaments, nuts and washers				Permissable to defer to end of interval.
RCP-1	1-16								
RCP-2	1-16								
RCP-3	1-16							X	

NOTES:
1) Bolting may be inspected in place under tension, disassembled, or removed.
2) Reactor vessel closure studs shall be Liquid Penetrant or Magnetic Particle tested when removed (Reg. Guide 1.65).
3) Studs and bolts in Steam Generators and pressurizer manway closures, valve bonnets and pump flange connections installed on lines having a nominal diameter of 6 inches or greater must have a visual and surface exam while removed when the component is opened for inspection or maintenance (reference IE Bulletin 82-02).
4) When vessel is open for inspection.

CATEGORY B-G-2, PRESSURE RETAINING BOLTING LESS THAN OR EQUAL TO 2 INCHES IN DIAMETER

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B7.10 REACTOR PRESSURE VESSEL INSTRUMENT BOLTS, STUDS & NUTS[2]	1-32	VT-1			All bolting	X	X	X	
B7.20 PRESSURIZER MANWAY[1,2]	1-20	VT-1			Bolts, Studs, & Nuts	X	X	X	
B7.30 STEAM GENERATORS		VT-1			Bolts, Studs, & Nuts				
E-1-1 (Th)[1,2]	1-H-1 to 1-H-20					X			
E-1-1 (Tc)[1,2]	1-C-1 to 1-C-20					X			
E-1-2 (Th)[1,2]	2-H-1 to 2-H-20						X		
E-1-2 (Tc)[1,2]	2-C-1 to 2-C-20						X		
E-1-3 (Th)[1,2]	3-H-1 to 3-H-20							X	
E-1-3 (Tc)[1,2]	3-C-1 to 3-H-20							X	

NOTES: 1) Studs or bolts in Steam Generator and pressurizer manway closures, valve bonnets and pump flange connections installed on lines having a nominal diameter of 6 inches or greater must have a visual and surface exam while removed when the component is opened for inspection or maintenance (reference IE Bulletin 82-02).

2) Bolting may be inspected in place under tension, disassembled or removed.

CATEGORY B-G-2, PRESSURE RETAINING BOLTING LESS THAN OR EQUAL TO 2 INCHES IN DIAMETER

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B7.50 PIPING		VT-1			Bolts, Studs, & Nuts				
Flanges[2]	PR-S-11					X			
	PR-S-12							X	
	PR-S-13						X		
	PR-S-14					X			
	PR-S-15						X		
B7.70 VALVE		VT-1			Bolts, Studs, & Nuts				
BOLTING									
Line 3" RC-5	RC-17					X			
	RC-S-18					X			
3" RC-11	RC-27						X		
	RC-S-28						X		
3" RC-16	RC-37							X	
	RC-S-38							X	
3" RC-17	PR-4					X			
	PR-A-2						X		
	RP-8							X	
3" RC-18	PR-7					X			
	PR-A-1						X		
	RP-3							X	
2" RC-19	CH-M-52					X			
3" RC-20	PR-S-13						X		
3" RC-21	PR-S-12							X	
3" RC-22	PR-S-11					X			
3" RC-26	PR-M-16						X		
	PR-M-17							X	
	PR-S-14					X			
	PR-S-15						X		
12" RC-29	RH-M-1							X	
	RH-M-2					X			
2-1/2" RC-46	LD-1						X		

NOTES: 1) Studs or bolts in Steam Generator and pressurizer manway closures, valve bonnets and pump flange connections installed on lines having a nominal diameter of 6 inches or greater must have a visual and surface exam while removed when the component is opened for inspection or maintenance (reference IE Bulletin 82-02).

2) Bolting may be inspected in place under tension, disassembled or removed.

CATEGORY B-G-2, PRESSURE RETAINING BOLTING LESS THAN OR EQUAL TO 2 INCHES IN DIAMETER

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B7.70 CONT'D									
Line 12" RC-48	HSI-17							X	
	SIA-M-11					X			
14" RC-50	HSI-27						X		
	SIA-M-21							X	
14" RC-52	HSI-37					X			
	SIA-M-31						X		
2" DRH-1	DR-M-3							X	
	DR-12					X			
	RC-M-34						X		
2" DRH-2	RC-36							X	
2" DRH-3	RC-M-24					X			
2" DRH-4	RC-26						X		
2" RDH-5	RC-M-14							X	
2" DRH-6	RC-16					X			
2" DRH-8	DR-1						X		
2" DRH-9	CH-M-75							X	
2-1/2" CH-45	LD-M-2					X			
3" CH-46	CH-46						X		
	CH-M-44							X	
2-1/2" CH-51	LD-T-5					X			
2" CH-58	CH-72						X		
	CH-51							X	
3" CH-61	CH-M-49					X			
2" CH-126	RC-M-35						X		
2" CH-127	RC-M-25							X	
2" CH-128	RC-M-15					X			
4" SIH-20	HSI-15						X		
10" SIH-22	LSI-12							X	
	HSI-61					X			
4" SIH-30	HSI-25						X		
10" SIH-31	LSI-22							X	
	HSI-62					X			
4" SIH-41	HSI-35						X		
10" SIH-42	LSI-32							X	
	HSI-63					X			

NOTES: 1) Studs or bolts in Steam Generator and pressurizer manway closures, valve bonnets and pump flange connections installed on lines having a nominal diameter of 6 inches or greater must have a visual and surface exam while removed when the component is opened for inspection or maintenance (reference IE Bulletin 82-02).

2) Bolting may be inspected in place under tension, disassembled or removed.

CATEGORY B-H, INTEGRAL ATTACHMENTS FOR VESSELS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
PRESSURIZER B8.20 ATTACHMENTS					100% of all integral welds				
Support Skirt	1	UT	TB-17	A533 GR. B		X	X	X	1/3 each period
STEAM GENERATORS B8.30 ATTACHMENTS									
Support Skirts	1 2 3	UT UT UT			100% of weld on one steam generator	X	X	X	

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec. XI 74, S 75
Line 33-1/2" RC-1	N-5	UT,LP	TB-11	A-264		X			
	N-6								
	S1-2								branch weld
	L1K								
	L1J								
	L1I	UT,LP	TB-11	A-264			X		
	CEC 1-1	UT,LP	TB-11	A-264				X	
	L1H								
	S1-1								branch weld
Line 33-1/2" RC-2	L1D								branch weld
	CEC 1-2	UT,LP	TB-11	A-264		X			
	L1E								
	L1F								
	L1G								
	S2-1								
	N-6								branch weld
Line 33-1/2" RC-3	S3-1								branch weld
	L1A								
	CEC 1-3								
	L1B								
	L1C								
	N-1								
	N-2								
	N-3								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
Line 8" RC-4	13	RT,LP		A451 CPF8M	25% of the total number of circumferential welds.			X	branch weld
	12	RT,LP		A451 CPF8M					Relief 7
	11								
	10	RT,LP		A451 CPF8M		X			Relief 7
	9	RT,LP		A451 CPF8M			X		Relief 7
	8	RT,LP		A451 CPF8M				X	Relief 7
	7	RT,LP		A451 CPF8M		X			Relief 7
	6	RT,LP		A451 CPF8M			X		Relief 7
	N-2								
	5								
	4								
	3								
	N-1								
	2								
	1								branch weld
Line 3" RC-5	64	LP						X	branch weld
	65	LP				X			
	66	LP					X		
	65-A								
	66-B								
	66-A								
	67								
	68								
	69								
	70								
	69-A								
	69-B								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of inter-secting logitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line RC-5 con't.	69-C								
	69-D								
	70-A								branch weld
Line 12" RC-6	1	RT,LP		31					
				CPF8M				X	branch weld,
									Relief 7
	2	RT,LP		A451			X		Relief 7
				CPF8M					
	3	RT,LP		A451					
				CPF8M		X			Relief 7
	4								
	5								
	6								
	7								
	8								
	9								
	10								branch weld
Line 33 1/2" RC-7	N-29								
	S7-2	UT,LP	TB-11	A264					
								X	branch weld
	L2K	UT,LP	TB-11	A264			X		
	L2J								
	L2I								
	CEC 2-1								
	L2H								
	S7-1								branch weld

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line 33 1/2" RC-8	L2D								
	CEC 2-2								Branch weld
	L2E								
	L2F								
	L2G								
	S8-1								Branch weld
	N-5								
Line 33 1/2" RC-9	S9-1	UT,LP	TB-11	A264				X	Branch weld
	L2A	UT,LP	TB-11	A264			X		
	CEC 2-3	UT,LP	TB-11	A264		X			
	L2B	UT,LP	TB-11	A264			X		
	L2C								
	N-1								
	N-2								
	N-3								
Line 8" RC-10	N-1								
	N-2								
	1	PT,LP		A451 CPF8M				X	Branch weld, Relief 7
	2	RT,LP		A451 CPF8M		X			Relief 7
	3	RT, LP		A451 CPF8M			X		Relief 7
	4	RT,LP		A451 CPF8M				X	Relief 7

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line RC-10 cont'd.	5	RT,LP		A451 CPF8M		X			Relief 7
	6	RT,LP		A451 CPF8M			X		Relief 7
	7	RT,LP		A451 CPF8M				X	Relief 7
	8								
	9								
	10								
	11								
	12								
	13								Branch weld
Line 3" RC-11	S-2	LP				X			Branch weld
	87-B	LP					X		
	88-B	LP						X	
	S-1	LP				X			
	88-C								
	89-B								
	89-C								
	90-A								
	90-B								
	90-C								
	91-A								
	91-B								
	92-A								
	92-D								
	92-B								
	92-C								
	93-A								
	93								Branch weld

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line 33 1/2" RC-12	S12-2	UT,LP	TB-11	A516 Gr. 70			X		Branch weld
	L3K	UT,LP	TB-11	A516 Gr. 70				X	
	L3J	UT,LP	TB-11	A516 Gr. 70		X			
	L3I	UT,LP	TB-11	A516 Gr. 70			X		
	CEC 3-1								
	L3H								
	S12-1								Branch weld
	N-5								
Line 33 1/2" RC-13	LD3								Branch weld
	CEC 3-2								
	L3E								
	L3F	UT,LP	TB-11	A516 Gr. 70				X	
	L3G								
	S13-1								Branch weld
	N-5								
Line 33 1/2" RC-14	S14-1	UT,LP	TB-11	A516 Gr. 70		X			Branch weld
	L3A	UT,LP	TB-11	A516 Gr. 70			X		
	CEC 3-3	UT,LP	TB-11	A516 Gr. 70				X	
	L3B								
	L3C								
	N-1								
	N-2								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line 8" RC-15	1	RT,LP		A451 CPF8M		X			Branch weld, Relief 7
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								Branch weld
	N-1								
	N-2								
	N-3								
Line 3" RC-16	71	LP					X		Branch weld
	S-1								
	71-B								
	S-2								
	72-A	LP						X	
	S-3								
	S-4								
	73								
	74								
	75								
	76								
	77								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line RC-16 Cont'd	S-5								
	77-B								
Line 3" RC-17	45	LP				X			Branch weld
	45A	LP				X			
	45B	LP					X		
	S-5	LP					X		
	56	LP						X	
	45C	LP						X	
	38								
	38C								
	38A								
	38B								
	S-7								
	S-8								
	S-9								
	39								
	40								
	41								
	S-10								
	S-11								
	41A								
	S-13								
	42								
	S-12								
	43								Branch weld

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line 3" RC-18	25	LP				X			Branch weld
	26	LP				X			
	S-12	LP				X			
	S-11	LP				X			
	27	LP					X		
	28	LP					X		
	S-10	LP					X		
	S-9A	LP					X		
	29	LP						X	
	S-9	LP						X	
	30	LP						X	
	S-8	LP						X	
	S-7	LP				X			
	31								
	32								
	33								
	S-6								
	S-5								
	S-4								
	S-3								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
	S-2								
	S-1								
	33A								
	33B								
	34								
	35A								
	35								
	121								
	S-1A								
	S-2A								
	122								
	123								
	124								
	125								
Line 4" RC-19	S-3A								
	S-4A								
	44B								Branch weld
	44C								
	44A								
	S-1								
	S-2								
	S-3								
	S-4								
	44								
	S-5								
	S-6								
	S-7								
	S-8								
	45-B								
	S-9								
	45-A								
	S-10								
	45								Branch weld

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line 3" RC-2G	S-29								
	S-30								
	S-31	LP					X		
	59B	LP						X	
	S-32	LP				X			
	59A								
	S-33								
	S-34								
	59								Branch weld
Line 3" RC-21	58	LP					X		Branch weld
	S-35	LP					X		
	S-36	LP						X	
	58A	LP				X			
	58B								
	S-37								
	S-38								
	S-39								
	S-40								
	S-41								
Line 3" RC-22	57								Branch weld
	S-42								
	S-43								
	57A								
	57B	LP					X		
	44	LP						X	

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line RC-22 Cont'd.	S-45								
	S-46								
Line 3" RC-26	S-26	LP				X			
	S-27	LP				X			
	S-28	LP				X			
	54								
	53								
	S-29								
	S-30								
	S-31								
	S-32	LP					X		
	S-33	LP					X		
	S-34	LP						X	
	S-35	LP						X	
	S-36								
	55-A								
	55								
	56								Branch weld
	S-37								
	S-38								
	S-39								
	S-40								
	S-41								
	S-42								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line RC-26 Cont'd	S-43								
	S-44								
	S-45								
	46								
	47								
	S-46								
	S-47								
	S-48								
Line 12" RC-29	86-A	UT	TB-39	A376 TP316			X		Branch weld
	S-11								
	S-10								
	S-9								
	85-A								
	83-B								
	84-A								
Line 2 1/2" RC-46	78								Branch weld
	S-23	LP						X	
	S-22	LP						X	
	S-21	LP				X			
	S-20	LP				X			
	S-19	LP					X		
	S-18								
	S-17								
	S-16								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line RC-46 Cont'd	79								
	80								
	S-15								
	S-14								
	81								
Line 14" RC-48	29A	UT	TB-36	A376 TP316		X			
	10	UT	TB-36	A376 TP316		X			
	S-8								
	S-9	UT	TB-36	A376 TP316			X		
	S-10	UT	TB-36	A376 TP316				X	
	S-11								
	11								
	S-12								
	S-13								
	S-14								
	S-15								
	12								
	13								
	S-16								
	14								Branch weld
Line 10" RC-49	9								
	S-6								
	S-4								
	S-5								
	S-7								Branch weld
Line 14" RC-50	17A	UT	TB-36	A376 TP316		X			
	17	UT	TB-36	A376 TP316		X			

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line RC-50 Cont'd	S-3	UT	TB-36	A376 TP316			X		
	S-4	UT	TB-36	A376 TP316			X		
	S-5								
	S-6	UT	TB-36	A376 TP316				X	
	21								
	21A								
	S-8								
	S-9								
	S-10								
	S-11								
	S-12								
	22								
	23								
	S-13								
	24								Branch weld
Line 10" RC-51	S-7								Branch weld
	20								
Line 14" RC-52	1								
	S-2								
	S-3								
	S-4								
	3								
	S-5								
	S-5A	UT	TB-36	A376 TP316		X			
	S-6	UT	TB-36	A376 TP316			X		
	S-7	UT	TB-36	A376 TP316				X	

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line RC-52 Cont'd	4								
	5								
	S-8								
	6								Branch weld
Line 10" RC-53	S-1	UT	TB-1	A376 TP316		X			Branch weld
	2A								
Line 2 1/2" CH-45	EX-2	LP				X			Branch weld
	81-C	LP				X			
	1290	LP				X			
	1291	LP					X		
	1292	LP					X		
	1293	LP					X		
	1294								
	81-B	LP						X	
	S-2	LP						X	
	81-D	LP						X	
	S-3								
	S-4								
	81-E								
	S-5								
	S-6								
	S-7								
	S-8								
	81-F								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line CH-45 Cont'd.	81-G								
	S-9								
	S-10								
	81-A								
Line 3" CH-46	663								Branch weld
	S-1								
	S-2								
	664-A								
	664-B								
	S-3								
	S-4								
	665								
	666								
Line 2 1/2" CH-51	EX-1	LP				X			Branch weld
	672	LP					X		
	1255	LP						X	
	1256								
	S-1								
	S-2								
	1257								
	S-3								
	1258								
	S-4								
	1260-A								
	1261								
Line 3" CH-61	534A								Branch weld
	534								
	S-30								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
	535								
	536								
	S-29								
	S-28								
	S-27								
	533								
Line 4" S1H -20	74								
	S-4								
	S-5								
	S-6								
Line 10" S1H-22	70								
	70A	UT	TB-38	A376 TP316		X			
	S-14	UT	TB-38	A376 TP316		X			
	S-13	UT	TB-38	A376 TP316		X			
	71	UT	TB-38	A376 TP316			X		
	S-12	UT	TB-38	A376 TP316			X		
	S-11	UT	TB-38	A376 TP316				X	
	S-10	UT	TB-38	A376 TP316				X	
	72								
	S-9								
	73								
	S-8								
	73A								
	74								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line S1H-22 Cont'd	75								
	S-1								
	S-2								
	S-3								
	73-B								
Line 4" S1H-30	66	UT,LP	TB-2	A376 TP316		X			
	S-1	UT,LP	TB-2	A376 TP316		X			
	S-2	UT,LP	TB-2	A376 TP316			X		
	S-3	UT,LP	TB-2	A376 TP316			X		
	S-4	UT,LP	TB-2	A376 TP316				X	
	S-5	UT,LP	TB-2	A376 TP316				X	
	65								
	S-6								
	64								
	S-7								
	63								
	S-8								
	62								
	60-G								
	60-F								
	S-9								
	S-10								
	S-11								
	60-H								Branch weld

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line 10" S1H-31	60								
	60A								
	60B								
	60C								
	60D								
	60E								
	S-12								
	61A								
	S-17A								
	S-17	UT	TB-38	A376 TP316			X		
	S-16								
	S-15								
	S-14								
	61B								
	62								
	63								
Line 4" S1H-41	26								
	S-3								
	S-4								
	S-5	UT,LP	TB-2	A376 TP316		X			
	27								
	S-6	UT,LP	TB-2	A376 TP316			X		
	28	UT,LP	TB-2	A376 TP316			X		
	S-7	UT,LP	TB-2	A376 TP316				X	
	29	UT,LP	TB-2	A376 TP316				X	

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
84.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
	S-8								
	S-9								
	S-10								
	S-11								
	S-12								
	S-13								
	S-14								
	S-15								
	30								
	S-16								Branch weld
Line 10" S1H-42	21								
	S-19								
	S-20								
	S-21								
	S-22								
	S-23								
	S-24								
	20								
	S-25								
	19								
	S-26	UT	TB-38	A376 TP316				X	
	18	UT	TB-38	A376 TP316				X	
	S-1A	UT	TB-38	A376 TP316			X		
	S-1	UT	TB-38	A376 TP316			X		
	S-2	UT	TB-38	A376 TP316		X			
	S-3	UT	TB-38	A376 TP316		X			

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.5 Circumferential and 12" of intersecting longitudinal welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
	S-4								
	17								
	22								
	23								
B4.8 Socket Welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line 2" RC-19	1207								
	1208								
	1209	LP				X			
	1210	LP					X		
	1211	LP						X	
	46A								
	47								
	48A								
	49A	LP						X	
	50A								
	51A								
	52A								
	53A								
	54A								
	55A								
Line 2" RC-36	103	LP				X			
	104	LP					X		
	105	LP						X	
	106								
	107								
	108								
	109								
	110								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number				See ASME Sec. XI
Line 2" DRH-1	17				of socket welds.				74, S75
	18								
	19								
	6								
	5								
	20								
	21								
	22	LP				X			
	23	LP				X			
	24	LP				X			
	25	LP					X		
	26	LP					X		
	26A	LP					X		
	26B	LP						X	
	27	LP						X	
	1	LP						X	
	2								
	3								
	4								
	28								
	29								
	30								
	31								
	32								
	33								
	34								
	35								
	36								
	51								
	37								
	38								
	39								
	40								
	41								
	9								
	8								
	42								
	43								
	50								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number of socket welds				See ASME Sec XI 74, S75
Line 2" DRH-2									
	51	LP				X			
	52	LP					X		
	53	LP						X	
	54	LP						X	
	55								
	56								
	57								
	58								
	59								
	60								
	61								
	62								
	63								
	64								
	65								
	66								
	67								
	68								
Line 2" DRH-3	72								
	73								
	74								
	75								
	76								
	77								
	78								
	79								
	80								
	81								
	82								
	83								
	84								
	85								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number of socket welds				See ASME Sec XI 74, S75
	86								
	87								
	89								
	90								
	91								
	92								
	93								
	93A								
Line 2" DRH-4	94								
	94A	LP				X			
	94B	LP				X			
	95	LP					X		
	96	LP					X		
	97A	LP						X	
	98A								
	97								
	98								
	99								
	100								
	101								
	101A								
	102								
	103								
	103A								
Line 2" DRH-5	128								
	129								
	140	LP						X	
	141								
	142								
	142A								
	143								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number of socket welds				See ASME Sec XI 74, S75
Line 2" DRH-6	104								
	105								
	106								
	107								
	108								
	109								
	110								
	111								
	112								
	113								
	114								
	117								
	118								
	119								
	120A								
	120								
	121								
	122								
	123								
	123A								
	124								
	125								
	126								
	127								
Line 2" DRH-8	144								
	145	LP				X			
	146	LP				X			
	147	LP					X		
	147A	LP						X	
	148	LP						X	
	149	LP						X	
	150								
	151								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line DRH-8 Cont'd.	152								
	153								
	154								
	155								
Line 2" DRH-9	156								
	157	LP					X		
	158								
	159								
Line 2" CH-58	1455	LP				X			
	1456	LP				X			
	1457	LP					X		
	1458	LP					X		
	1459	LP					X		
	1460	LP						X	
	1461	LP						X	
	1462	LP						X	
	1463								
	1464								
	1465								
	1466								
	1467								
	1468								
	1469								
	1470								
	1471								
	1472								
	1473								
	1474								
	1475								
	1476								
	1476A								
	1477								
	1478								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line 2" CH-126	1520								
	1521								
	1522	LP				X			
	1523								
	1524	LP				X			
	1525	LP				X			
	1526	LP					X		
	1527	LP					X		
	1528	LP					X		
	1536R	LP						X	
	1536Q	LP						X	
	1529								
	1530								
	1536L								
	1536M								
	1536N								
	1536P								
	1536S								
	1536T								
	1531								
	1532								
	1536W								
	1536X								
	1536U								
	1536U								
	1533								
	1534								
	1536K								
	1536J								
	1536H								
	1536G								
	1536F								
	1536E								
	1536D								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line CH-126 Cont'd	1536C								
	1536B								
	1536A								
	1535								
	1554								
	1553								
	1552								
	1551B								
	1551A								
	1551								
	1550								
	1549								
	1548								
	1547								
	1546								
	1545								
	1544								
	1543								
	1542								
	1541								
	1540								
	1539								
	1538								
	1537								
	1232B								
	1233A								
	1233B								
	1233C								
Line 2" CH-127	771	LP				X			
	772A	LP				X			
	772B	LP				X			
	773A	LP				X			

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line CH-127 Cont'd.	773B	LP					X		
	774	LP					X		
	1499A	LP					X		
	1499	LP					X		
	1500	LP					X		
	1501	LP						X	
	1502	LP						X	
	1504	LP						X	
	1505	LP						X	
	1506	LP						X	
	1507								
	1508								
	1509								
	1510								
	1511								
	1512								
	1513								
	1514								
	1515								
	1516								
	1517								
	1518								
	1519								
Line 2" CH-128	1498								
	1497								
	1496								
	1495B								
	1495A								
	1495								
	1494								
	1493								
	1492								
	1491								
	1490								

CATEGORY B-J, PRESSURE RETAINING WELDS IN PIPING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
B4.8 Socket Welds					25% of the total number of circumferential welds				See ASME Sec XI 74, S75
Line CH-128 Cont'd.	1489								
	1488								
	1487								
	1486								
	1485	LP						X	
	1484	LP						X	
	1484A	LP					X		
	1220	LP					X		
	1221								
	1222								
	1223	LP				X			
	1224	LP				X			
	1225	LP				X			
Line 2" SIH-33	77								
	78	LP						X	
	79								
	80								
	81								
	82								

CATEGORY B-K-1, INTEGRAL ATTACHMENTS FOR PIPING, PUMPS, AND VALVES

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
WELDED ATTACHMENTS		UP			100% of those attachments whose base material is 5/8" or greater				
B10.10 Piping									
Line 8" RC-4	BP-SH-1(w)					X			
	BP-S-2(w)					X			
	BP-SH-3(w)					X			
Line 12" RC-6	SL-SH-10(w)					X			
	SL-SH-11(w)					X			
	SL-SH-12(w)					X			
Line 8" RC-10	BP-SH-4(w)						X		
	BP-S-5(w)						X		
	BP-SH-6(w)						X		
Line 8" RC-10	BP-SH-7(w)						X		
	BP-S-8(w)						X		
	BP-SH-9(w)						X		
Line 4" RC-19	RC-SH-22(w)							X	
Line 14" RC-19	RC-HSS-106(w)							X	
	RC-HSS-107(w)							X	
Line 12" RC-29	RC-HSS-102(w)							X	
Line 4" SIH-30	SIH-A-140(w)							X	
Line 4" SIH-41	H-128(w)							X	

CATEGORY B-L-1,B-M-1, PRESS. RETAINING WELDS IN PUMP CASINGS AND VALVE BODIES B-L-2, B-M-2, PUMP CASINGS AND VALVE BODIES

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
PUMPS									
B12.10 Pump Casing Welds		UT[1]			All welds in at least one pump in a group of pumps of similar design and function				Permissible to defer to end of interval
P-1-1								X	
P-1-2									
P-1-3									
B12.20 Pump Casings		VT-3[1]			All internal surfaces of at least one pump of a group of pumps of similar design and function				Permissible to defer to end of interval
P-1-1									When dissasembled
P-1-2									
P-1-3									
B12.40 Valve Bodies		VT-3			All internal surfaces of one valve in a group of valves of similar design and function				Permissible to the end of interval
TYPE 1									
Line 33 1/2" RC-1	RC-M-11								
Line 33 1/2" RC-3	RC-M-12	VT-3				X			Relief 6
Line 33 1/2" RC-7	RC-M-21								
Line 33 1/2" RC-9	RC-M-22								
Line 33 1/2" RC-12	RC-M-31								
Line 33 1/2" RC-14	RC-M-32								

NOTES: 1) Reactor Coolant Pumps shall have a surface examination in lieu of the volumetric and the visual may be performed when the pumps are dissassembled for scheduled or unscheduled maintenance. (Reference letter to J. Garrity from NRC dated July 14, 1983) Relief Request 3.

CATEGORY B-L-1,B-M-1, PRESS. RETAINING WELDS IN PUMP CASINGS AND VALVE BODIES B-L-2, B-M-2, PUMP CASINGS AND VALVE BODIES

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
TYPE 2									
Line 12" RC-29	RH-M-1	VT-3				X			Relief 6
	RH-M-2								
TYPE 3									
Line 14" RC-48	SIA-M-11	VT-3					X		Relief 6
Line 14" RC-50	SIA-M-21								
Line 14" RC-52	SIA-M-31								
TYPE 4									
Line 14" RC-48	HSI-17	VT-3					X		Relief 6
Line 14" RC-50	HSI-27								
:ome 14" RC-52	HSI-37								
TYPE 5									
Line 10" SIH-22	HSI-16	VT-3						X	Relief 6
Line 10" SIH-31	HSI-26								
Line 10" SIH-42	HSI-36								
TYPE 6									
Line 10" SIH-22	LSI-12	VT-3						X	Relief 6
Line 10" SIH-31	LSI-22								
Line 10" SIH-42	LSI-32								
TYPE 7									
Line 10" SIH-22	HSI-61	VT-3						X	Relief 6
Line 10" SIH-31	HSI-62								
Line 10" SIH-42	HSI-63								
TYPE 8									
Line 8" RC-4	RC-M-13	VT-3				X			Relief 6
Line 8" RC-10	RC-M-23								
Line 8" RC-15	RC-M-33								

CATEGORY B-N-1, INTERIOR OF REACTOR VESSEL, B-N-2 INTEGRALLY WELDED CORE SUPPORT STRUCTURES AND INTERIOR ATTACHMENTS TO REACTOR VESSEL, B-N-3, REMOVABLE CORE SUPPORT STRUCTURES

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
REACTOR VESSEL									
B13.10 Internals		VT-3			Accessible areas	X	X	X	
B13.30 Core Support Structure Removed		VT-3			Accessible welds and surfaces			X	Permissible to defer to the end of interval

CATEGORY B-O, PRESSURE RETAINING WELDS IN CONTROL ROD HOUSING

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
REACTOR VESSEL B14.10 Weld in CRD Housing		LP			10% peripheral			X	Permissible to defer to end of interval

CATEGORY B-P, ALL PRESSURE RETAINING COMPONENTS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
REACTOR COOLANT SYSTEM									
Leak Test	Vessels Piping Pumps Valves	VT-2			Pressure boundary to second closed valve at boundary extremity	X	X	X	Each refueling outage
Hydrostatic Test	Vessels Piping Pumps Valves	VT-2			All Class 1 Components in the system			X	One test at or near the end of interval

CATEGORY B-Q, STEAM GENERATOR TUBES

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
STEAM GENERATORS TUBES		ET			See Plant Tech. Specs.	X	X	X	

2.0 SAFETY CLASS 1 SUPPORTS

Certain Safety Class 1 components are subject to methods of NDE other than pressure testing, in accordance with article IWB of ASME Sec. XI. The examination requirements for the supports to these components are listed in the following tables.

SAFETY CLASS 1 COMPONENT SUPPORTS						
Item	Total Number in Plant	To Be Inspected This Interval			Relief Request	Remarks
		1	2	3		
Spring Hanger	44	18	16	10		
Shock Suppressors	15	4	7	4		
General Supports	165	56	55	54		

SAFETY CLASS 1 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD (LBS)	METHOD	INTERVAL 2 1	2	3	REMARKS
8" RC-4	BP-SH-1	Spring	± 178	VT-3, VT-4	X			
	BP-S-2	Sliding	--	VT-3		X		
	BP-SH-3	Spring	685 ± 137	VT-3, VT-4			X	
8" RC-10	BP-SH-4	Spring	890 ± 178	VT-3, VT-4	X			
	BP-S-5	Sliding	--	VT-3		X		
	BP-SH-6	Spring	685 ± 137	VT-3, VT-4			X	
8" RC-15	BP-SH-7	Spring	890 ± 178	VT-3, VT-4	X			
	BP-S-8	Sliding	--	VT-3		X		
	BP-SH-9	Spring	685 ± 137	VT-3, VT-4			X	
12" RC-6	SL-SH-10	Spring	1665 ± 333	VT-3. VT-4	X			
	SL-SH-11	Spring	4191 ± 838	VT-3, VT-4		X		
	SL-SH-12	Spring	517 ± 104	VT-3, VT-4			X	
3" RC-5	RC-SH-503	Spring	392 ± 78	VT-3, VT-4	X			
	RC-SH-504	Spring	130 ± 26	VT-3, VT-4		X		
3" RC-11	RC-SH-502	Spring	287 ± 57	VT-3, VT-4			X	
	RC-SH-501	Spring	472 ± 94	VT-3, VT-4	X			
	RC-HSS-601	Shock Suppressor	--	VT-3, VT-4		X		
	RC-HSS-602	Shock Suppressor	--	VT-3, VT-4			X	
3" RC-16	RC-SH-505	Spring	392 ± 78	VT-3, VT-4	X			
	RC-SH-506	Spring	130 ± 26	VT-3, VT-4		X		
3" RC-17	RC-R-20	Lateral	--	VT-3			X	
	RC-SS-21(w)	Sliding	--					
	RC-R-2(w)	Vertical, Lateral	--	VT-3	X			
	RC-R-22(w)	Vertical	--	VT-3		X		
	RC-R-23(w)	Axial	--	VT-3			X	
	RC-SH-21(w)	Spring	210 ± 42	VT-3, VT-4	X			
3" RC-18	RC-SH-16	Spring	310 ± 62	VT-3, VT-4		X		
	RC-R-16	Lateral	--	VT-3			X	
	RC-A-1(w)	Anchor	--	VT-3	X			
	RC-SH-17	Spring	310 ± 62	VT-3, VT-4		X		
	RC-SS-18A	Sliding	--	VT-3			X	
	RC-R-19	Lateral	--	VT-3	X			
2" RC-19	CH-48-1(SH)	Spring	525 ± 105	VT-3, VT-4		X		
	RC-19-1			VT-3			X	
4" RC-19	RC-SH-22	Spring	510 ± 102	VT-3, VT-4	X			
	RC-HSS-101	Shock Suppressor	--	VT-3, VT-4		X		
	RC-SH-23	Spring	1649 ± 330	VT-3, VT-4			X	
	RC-R-3		--	VT-3	X			

SAFETY CLASS 1 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD (LBS)	METHOD	INTERVAL 2			REMARKS
					1	2	3	
3" RC-20	RC-SH-34	Spring	752 ± 150	VT-3, VT-4		X		
3" RC-21	RC-SH-35	Spring	752 ± 150	VT-3, VT-4			X	
3" RC-22	RC-SH-36	Spring	752 ± 150	VT-3, VT-4	X			
3" RC-26	RC-R-8	Vertical	--	VT-3		X		
	RC-SS-11	Sliding	--	VT-3			X	
	RC-SH-29	Spring	134 ± 29	VT-3, VT-4	X			
	RC-SH-28	Spring	134 ± 29	VT-3, VT-4		X		
	RC-SS-10	Sliding	--	VT-3			X	
	RC-R-9	Vertical	--	VT-3	X			
12" RC-29	RC-SH-30	Spring	5599 ± 1120	VT-3. VT-4		X		
	RC-HSS-102(w)	Shock Suppressor	--	VT-3, VT-4			X	
	RC-SH-57	Spring	7205 ± 1441	VT-3, VT-4	X			
2" RC-36	RC-36-1(SH)	Spring	243 ± 49	VT-3, VT-4		X		
2 1/2" RC-46	H-168		--	VT-3			X	
	H-169		--	VT-3	X			
	RC-SH-291	Spring	106 ± 21	VT-3, VT-4		X		
	Anchor		--	VT-3			X	
14" RC-48	RC-SH-22	Spring	3257 ± 651	VT-3, VT-4	X			
	RC-HSS-102	Shock Suppressor	--	VT-3, VT-4		X		
	RC-HSS-101	Shock Suppressor	--	VT-3, VT-4			X	
	RC-SH-23	Spring	760 ± 152	VT-3, VT-4	X			
10" RC-49	RC-SH-21	Spring	210 ± 42	VT-3, VT-4		X		
14" RC-50	RC-SH-27	Spring	4429 ± 886	VT-3, VT-4			X	
	RC-HSS-104A(w	Shock Suppressor	--	VT-3, VT-4	X			
	RC-HSS-104B(w	Shock Suppressor	--	VT-3, VT-4		X		
	RC-HSS-103(w)	Shock Suppressor	--	VT-3, VT-4			X	
	RC-HSS-105(w)	Shock Suppressor	--	VT-3, VT-4	X			
	RC-SH-26	Spring	1363 ± 273	VT-3, VT-4		X		
10" RC-51	RC-SH-25	Spring	5037 ± 1007	VT-3, VT-4			X	
14" RC-52	RC-SH-30	Spring	5599 ± 1120	VT-3, VT-4	X			
	RC-SS-30	Sliding	--	VT-3		X		
	RC-HSS-106(w)	Shock Suppressor	--	VT-3, VT-4			X	
	RC-HSS-107(w)	Shock Suppressor	--	VT-3, VT-4	X			
	RC-HSS-108(w)	Shock Suppressor	--	VT-3, VT-4		X		
	RC-SH-32	Spring	5838 ± 1168	VT-3, VT-4			X	
10" SIH-22	SIH-R-6	Vertical	--	VT-3	X			
	PS-1	Vertical	--	VT-3		X		
	PS-2	Vertical	--	VT-3			X	

SAFETY CLASS 1 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD (LBS)	METHOD	INTERVAL 2			REMARKS
					1	2	3	
SIH-22 Cont'd.								
	SIH-R-55	Vertical	--	VT-3	X			
	PS-3	Vertical	--	VT-3		X		
	SIH-R-54	Vertical	--	VT-3			X	
	PS-4	Vertical	--	VT-3	X			
	SIH-R-53	Vertical	--	VT-3		X		
	PS-5	Vertical	--	VT-3			X	
	SIH-R-52	Vertical	--	VT-3	X			
	PS-6	Vertical	--	VT-3		X		
	SIH-R-51	Vertical	--	VT-3			X	
	PS-7	Vertical	--	VT-3	X			
	SIH-R-50	Vertical	--	VT-3		X		
4" SIH-30	PS-1	Rod	--	VT-3			X	
	SIH-R-145	Vertical	--	VT-3	X			
	PS-2	Vertical	--	VT-3		X		
	SIH-R-143	Vertical	--	VT-3			X	
	PS-3	Vertical	--	VT-3	X			
	SIH-R-141	Vertical	--	VT-3		X		
	SIH-A-140(w)	Anchor	--	VT-3			X	
	SIH-R-139	Vertical	--	VT-3	X			
	PS-4	Vertical	--	VT-3		X		
	SIH-R-137	Vertical	--	VT-3			X	
	PS-5	Vertical	--	VT-3	X			
	SIH-R-135	Vertical	--	VT-3		X		
	SIH-R-134	Vertical	--	VT-3			X	
	SIH-R-133							
10" SIH-31	H-501	Vertical	--	VT-3	X			
	H-500	Vertical	--	VT-3		X		
	SIH-R-7	Vertical & Lateral	--	VT-3			X	
	SIH-SH-24	Spring	2870 ± 574	VT-3, VT-4	X			
4" SIH-41	SIH-R-197	Vertical	--	VT-3		X		
	SIH-A-119(w)	Anchor	--	VT-3			X	
	SIH-R-120	Vertical	--	VT-3	X			
	SIH-PS-1	Vertical	--	VT-3		X		
	SIH-R-121	Vertical	--	VT-3			X	
	SIH-PS-2	Vertical	--	VT-3	X			
	SIH-R-122	Vertical	--	VT-3		X		
	SIH-R-123	Vertical	--	VT-3			X	

SAFETY CLASS 1 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD (LBS)	METHOD	INTERVAL 2			REMARKS
					1	2	3	
SIH-41 Cont'd.	SIH-PS-3	Vertical	--	VT-3	X			
	SIH-R-124	Vertical	--	VT-3		X		
	SIH-R-125	Vertical	--	VT-3			X	
	SIH-R-126	Vertical	--	VT-3	X			
	SIH-R-127	Vertical	--	VT-3		X		
	SIH-R-128(w)	Anchor	--	VT-3			X	
	SIH-R-129	Vertical	--	VT-3	X			
	SIH-PS-4	Vertical	--	VT-3		X		
	SIH-R-130	Vertical	--	VT-3			X	
	SIH-PS-5	Vertical	--	VT-3	X			
	SIH-R-131	Vertical	--	VT-3		X		
	SIH-PS-6	Vertical	--	VT-3			X	
	SIH-R-132	Vertical	--	VT-3	X			
10" SIH-42	SIH-SH-29	Spring	1614 $\pm$ 323	VT-3, VT-4		X		
	SIH-SH-8	Spring	4236 $\pm$ 847	VT-3, VT-4			X	
	SIH-R-43	Vertical	--	VT-3	X			
	PS-5	Vertical	--	VT-3		X		
	SIH-R-44(w)	Anchor	--	VT-3			X	
	SIH-A-44	Vertical	--	VT-3	X			
	PS-4	Vertical	--	VT-3		X		
	SIH-R-45	Vertical	--	VT-3			X	
	PS-3	Vertical	--	VT-3	X			
	SIH-R-46	Vertical	--	VT-3		X		
	PS-2	Vertical	--	VT-3			X	
	SIH-R-47	Vertical	--	VT-3	X			
	PS-1	Vertical	--	VT-3		X		
	SIH-R-48	Vertical	--	VT-3			X	
	SIH-R-49	Vertical	--	VT-3	X			
2 1/2" CH-45	CH-R-165	Vertical	--	VT-3		X		
	CH-A-166	Anchor	--	VT-3			X	
	CH-R-167	Vertical	--	VT-3	X			
3" CH-46	PS-1	Rod	--	VT-3		X		
	CH-R-162	Vertical & Lateral	--	VT-3			X	
	CH-SH-295	Spring	233 $\pm$ 47	VT-3, VT-4	X			
	CH-HSS-601(w	Shock Suppressor	--	VT-3, VT-4		X		
	CH-HSS-602	Shock Suppressor	--	VT-3, VT-4			X	

SAFETY CLASS 1 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD (LBS)	METHOD	INTERVAL 2			REMARKS
					1	2	3	
2" CH-58	CH-PS-37	Vertical	--	VT-3	X			
	CH-PS-1	Rod	--	VT-3		X		
	CH-PS-2	Vertical & Lateral	--	VT-3			X	
	CH-PS-3	Vertical & Lateral	--	VT-3	X			
	CH-PS-4	Vertical	--	VT-3		X		
3" CH-61	CH-SH-296	Spring	138 ± 28	VT-3, VT-4			X	
	CH-HSS-603	Shock Suppressor	--	VT-3, VT-4	X			
	CH-HSS-604	Shock Suppressor	--	VT-3, VT-4		X		
2" CH-126	PS-47	Vertical	--	VT-3			X	
	PS-46	Vertical	--	VT-3	X			
	PS-45	Vertical & Lateral	--	VT-3		X		
	PS-44	Vertical & Lateral	--	VT-3			X	
	PS-43	Vertical & Lateral	--	VT-3	X			
	PS-1	Vertical	--	VT-3		X		
	PS-2	Vertical	--	VT-3			X	
	PS-3(w)	Anchor	--	VT-3	X			
	PS-4	Vertical	--	VT-3		X		
	PS-5	Vertical	--	VT-3			X	
	PS-6	Vertical	--	VT-3	X			
	PS-7	Vertical	--	VT-3		X		
	PS-8	Vertical & Lateral	--	VT-3			X	
	PS-9	Vertical	--	VT-3	X			
	PS-10	Vertical	--	VT-3		X		
	PS-11	Vertical	--	VT-3			X	
	PS-12	Vertical	--	VT-3	X			
	PS-13(w)	Anchor	--	VT-3		X		
	PS-14	Vertical	--	VT-3			X	
	PS-15	Vertical	--	VT-3	X			
	PS-16	Vertical	--	VT-3		X		
	PS-17	Vertical	--	VT-3			X	
	PS-18	Vertical	--	VT-3	X			
	PS-19	Vertical & Lateral	--	VT-3		X		
	PS-20	Vertical	--	VT-3			X	
	PS-21	Vertical	--	VT-3	X			
	PS-22	Vertical	--	VT-3		X		
	PS-23	Vertical	--	VT-3			X	
	PS-24	Vertical	--	VT-3	X			
	PS-27	Vertical	--	VT-3		X		

SAFETY CLASS 1 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD (LBS)	METHOD	INTERVAL 2			REMARKS
					1	2	3	
CH-126 Cont'd.	PS-28	Vertical	--	VT-3			X	
	PS-29	Vertical	--	VT-3	X			
	PS-30	Vertical	--	VT-3		X		
	PS-31	Vertical & Lateral	--	VT-3			X	
	PS-32	Vertical	--	VT-3	X			
	PS-33	Vertical	--	VT-3		X		
	PS-34	Vertical	--	VT-3			X	
	PS-35	Vertical	--	VT-3	X			
2" CH-127	PS-38	Vertical & Lateral	--	VT-3		X		
	PS-39	Vertical & Lateral	--	VT-3			X	
	PS-40	Vertical & Lateral	--	VT-3	X			
	PS-41	Vertical	--	VT-3		X		
	PS-42	Vertical	--	VT-3			X	
2" CH-128	PS-33	Vertical & Lateral	--	VT-3	X			
	PS-34	Vertical & Lateral	--	VT-3		X		
	PS-35	Vertical	--	VT-3			X	
	PS-36	Vertical	--	VT-3	X			
	PS-37	Vertical	--	VT-3		X		
2" DRH-1	DRH-1-1(w)	Welded	--	VT-3			X	
	DRH-1-2(w)	Welded	--	VT-3	X			
	DRH-1-3(w)	Welded	--	VT-3		X		
	DRH-1-4(w)	Welded	--	VT-3			X	
	DRH-1-6(w)	Welded	--	VT-3	X			
	DRH-1-7(w)	Welded	--	VT-3		X		
	DRH-1-8(w)	Welded	--	VT-3			X	
	DRH-1-9(w)	Welded	--	VT-3	X			
	DRH-1-10(w)	Welded	--	VT-3		X		
	DRH-1-11(w)	Welded	--	VT-3			X	
2" DRH-2	DRH-2-1(w)	Welded	--	VT-3	X			
	DRH-2-3(w)	Welded	--	VT-3		X		
	DRH-2-4(w)	Welded	--	VT-3			X	
	DRH-2-5(w)	Welded	--	VT-3	X			
2" DRH-3	DRH-3-1(w)	Welded	--	VT-3		X		
	DRH-3-2(w)	Welded	--	VT-3			X	
	DRH-3-3(w)	Welded	--	VT-3	X			
	DRH-3-4(w)	Welded	--	VT-3		X		
	H-1(w)	Welded	--	VT-3			X	

SAFETY CLASS 1 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD (LBS)	METHOD	INTERVAL 2			REMARKS
					1	2	3	
2" DRH-4	DRH-4-1(w)(SH	Spring	173 ± 35	VT-3, VT-4	X			
	DRH-4-2(w)	Welded	--	VT-3		X		
	DRH-4-3(w)	Welded	--	VT-3			X	
	DRH-4-4(w)	Welded	--	VT-3	X			
2" DRH-5	DRH-5-1(w)(SH	Spring	210 ± 42	VT-3, VT-4		X		
2" DRH-6	DRH-6-2(w)	Welded	--	VT-3			X	
	DRH-6-3(w)	Welded	--	VT-3	X			
2" DRH-8	DRH-8-1(SS)	Sliding	--	VT-3		X		
	DRH-8-2(w)	Welded	--	VT-3			X	
	DRH-8-3(w)	Welded	--	VT-3	X			
	DRH-8-4(SH)(w	Spring	150 ± 30	VT-3, VT-4		X		
	DRH-8-5(2)						X	

3.0 SAFETY CLASS I RELIEF REQUESTS

CR-2

RELIEF REQUEST

NUMBER: 1

SYSTEM: Reactor Coolant

SAFETY CLASS: 1

REFERENCES: USNRC letter to Maine Yankee dated June 8, 1983

LINE(S)/COMPONENT(S): The branch connection welds that attach the loop by-pass lines to the hot and cold leg isolation valves.

CATEGORY: B-J, Pressure Retaining Welds in Piping, Item B4.6

REQUIREMENT: Examine 25% of the total number of branch connection welds per interval using volumetric and surface methods.

RELIEF REQUEST: Relief is requested from the volumetric examination.

BASIS FOR RELIEF: The loop by-pass lines are fabricated from A451-CPF8M cast stainless steel. This cast stainless steel has a large columnar grain structure which does not provide meaningful ultrasonic examination. These lines are normally water filled and have contact radiation levels anywhere from 1 to 5 Rem/hr. These conditions make standard methods of radiography impractical. State of the art high energy x-ray is presently impractical and not cost effective.

The materials' fracture toughness properties are such that a significant defect would normally lead to a readily detectable leak well before the component would fracture.

ALTERNATE TESTING: Perform the required surface examination. Perform a high energy radiographic exam if the line is drained.

CR-2

RELIEF REQUEST

NUMBER: 2

SYSTEM: Reactor Coolant

SAFETY CLASS: 1

REFERENCES: 1) USNRC letter to Maine Yankee dated June 8, 1983

LINE(S)/COMPONENT(S): Main recirculation loop dissimilar metal safe end welds:

line 33 1/2" RC-1, welds SE-I and SE-J
line 33 1/2" RC-2, weld SE-D
line 33 1/2" RC-3, weld SE-B
line 33 1/2" RC-7, welds SE-I and SE-J
line 33 1/2" RC-8, weld SE-D
line 33 1/2" RC-9, weld SE-B
line 33 1/2" RC-12, welds SE-I and SE-J
line 33 1/2" RC-13, weld SE-D
line 33 1/2" RC-14, weld SE-B

CATEGORY: B-F, Pressure Retaining Dissimilar Welds, Item B5.50

REQUIREMENT: Perform a surface and volumetric examination on each dissimilar metal weld once per interval.

RELIEF REQUEST: Relief is requested from the volumetric examinations of the A451-CPF8M cast stainless steel portion of the above dissimilar metal welds.

BASIS FOR RELIEF: The above safe-ends were constructed from A451-CPF8M cast stainless steel. This material does not allow meaningful ultrasonic test results due to its large columnar grain structure. These lines are 3.5" thick, normally water filled, and have contact radiation levels anywhere from 1 to 5 Rem/hr. These conditions make standard methods of radiography impractical. State of the art high energy x-ray is presently impractical and not cost effective.

The materials' fracture toughness properties are such that a significant defect would lead to a readily detectable leak well before the component would fracture.

ALTERNATE TESTING: Perform an ultrasonic exam from the carbon steel side of the weld only. Perform a high energy radiographic exam if the line is drained. The required surface exam shall be performed.

RELIEF REQUESTS

NUMBER: 3

SYSTEM: Main Coolant

SAFETY CLASS: 1

REFERENCES: USNRC letter to Maine Yankee, dated July 7, 1983

LINE(S)/COMPONENT(S): Reactor Coolant Pumps

CATEGORY: B-L-1, B-L-2, Pump Casing Welds and Internal Surfaces, Items B12.10 and B12.20

REQUIREMENT: The examinations performed during each inspection interval shall include 100% of the pressure retaining welds in at least one pump in a group of pumps performing similar functions in the system. The examinations required are volumetric and visual as denoted in Table IWB-2500-1 of ASME Sec. XI.

RELIEF REQUEST: Relief is requested from the volumetric examination and the visual examination requirements.

BASIS FOR RELIEF: The pump casings are made of SA351-CF8M material. This cast stainless steel has the large columnar grain structure which prohibits meaningful ultrasonic examination. The pump and associated piping are in high radiation areas which could reduce the quality of radiography by severe fogging. The limited ability to inspect the casing is offset by the inherent fracture toughness of this material, and cast stainless steel casings in general. The service history of these pumps shows no reason to anticipate a service induced weld failure, and, of the pumps examined to date, no evidence of failure has been observed.

Also, in an NRC letter to of Maine Yankee dated July 14, 1983, it was determined that the volumetric examination requirement was impractical and that a surface exam should be done in its place. It was also stated in the letter that the visual examination may be performed while the pump is disassembled for maintenance.

ALTERNATE TESTING: Perform a surface exam in lieu of the volumetric examination and perform the visual examination during disassembly of the pumps for maintenance.

CR-2

RELIEF REQUEST

NUMBER: 4

SYSTEM: Reactor Coolant

SAFETY CLASS: 1

REFERENCES: USNRC letter to Maine Yankee dated June 8, 1983

LINE(S)/COMPONENT(S): Cast stainless steel circumferential welds in 33 1/2" main coolant lines:

line 33 1/2" RC-1, welds L1I and L1J
line 33 1/2" RC-2, weld L1D
line 33 1/2" RC-3, welds L1B and L1C
line 33 1/2" RC-7, welds L2I and L2J
line 33 1/2" RC-8, weld L2D
line 33 1/2" RC-9, welds L2B and L2C
line 33 1/2" RC-12, welds L3I and L3J
line 33 1/2" RC-13, weld L3D
line 33 1/2" RC-14, welds L3B and L3C

CATEGORY: B-J, Pressure Retaining Welds in Piping, Item B4.5

REQUIREMENT: Examine 25% of the total number of circumferential welds per interval using volumetric and surface methods.

RELIEF REQUEST: Relief is requested from the volumetric examination.

BASIS FOR RELIEF: The welded components are fabricated from either A351-CPF8M or A451-CPF8M cast stainless steel. This cast stainless has a large columnar grain structure which does not provide meaningful ultrasonic examination. These lines are normally water filled during refueling outages, have wall thicknesses of 3.5 inches and have background radiation levels of 1 to 5 Rem/hr. These conditions make standard methods of radiography impractical. State of the art high energy x-ray is presently impractical and not cost effective for this application.

The materials' fracture toughness properties are such that a significant defect would lead to a readily detectable leak well before the component would fracture.

ALTERNATE TESTING: The required surface examination shall be performed.

CR-2

RELIEF REQUEST

NUMBER: 5

SYSTEM: Reactor Coolant

SAFETY CLASS: 1

REFERENCES: USNRC letter to Maine Yankee dated June 8, 1983

LINE(S)/COMPONENT(S): Dissimilar metal safe-end welds greater than 8 inches nominal pipe size, excluding those on the 33 1/2 inch main coolant lines:

line 12" RC-6, welds SE-6 and SE-15
line 14" RC-48, weld SE-1
line 12" RC-29, weld SE-29
line 14" RC-50, weld SE-2
line 14" RC-52, weld SE-1

CATEGORY: B-F, Pressure Retaining Dissimilar Metal Welds, Item B5.50

REQUIREMENT: Perform a surface and volumetric examination on each dissimilar metal weld once per interval.

RELIEF REQUEST: Relief is requested from the volumetric examination of the A451-CPF8M cast stainless steel portion of the above dissimilar metal welds.

BASIS FOR RELIEF: The above safe-ends were constructed from A451-CPF8M cast stainless steel. This material does not allow meaningful ultrasonic test results due to its large columnar grain structure. These lines are normally water filled and have contact radiation levels anywhere from 1 to 5 Rem/hr. These conditions make standard methods of radiography impractical. State of the art high energy x-ray is impractical and not cost effective.

The materials' fracture toughness properties are such that a significant defect would lead to a readily detectable leak well before the component would fracture.

ALTERNATE TESTING: Peform an ultrasonic exam from the carbon steel side of the weld only. Perform a high energy radiographic exam if the line is drained. The required surface exam shall be performed.

CR-2

RELIEF REQUEST

NUMBER: 6

SYSTEM: Reactor Coolant

SAFETY CLASS: 1

REFERENCES: USNRC letter to Maine Yankee dated June 8, 1983

LINE(S)/COMPONENT(S): Valves exceeding 4 inches nominal pipe size

CATEGORY: B-M-2, Valve Bodies, Item B12.40

REQUIREMENT: Visually examine 100% of the internal surfaces of one valve in each group of valves of similar design and function.

RELIEF REQUEST: Relief is requested from the frequency of examination requirement of once per interval.

BASIS FOR RELIEF: Maine Yankee presently has 8 groups of valves in this category. These valves, due to normal plant operation, have become extremely radioactive. These valves when assembled emit anywhere from 2 to 6 Rem/hr, and when disassembled emit over 50 Rem/hr. Disassembly of these valves for the sole purpose of visual examination is impractical and presents a personnel safety hazard.

The service history of these valves shows no reason to anticipate a service induced failure. Of the valves examined to date, no evidence of failure has been observed.

ALTERNATE TESTING: Defer the visual examination to a time coincident with the disassembly of the valve for maintenance.

CR-2

RELIEF REQUEST

NUMBER: 7

SYSTEM: Reactor Coolant

SAFETY CLASS: 1

REFERENCES: 1) USNRC letter to Maine Yankee dated June 8, 1983

LINE(S)/COMPONENT(S): All circumferential butt welds on the three loop by-pass lines and the pressurizer surge line, excluding the branch connection welds.

CATEGORY: B-J, Pressure Retaining Welds in Piping, Item B4.5

REQUIREMENT: Examine 25% of the total number of circumferential welds per interval using volumetric and surface methods.

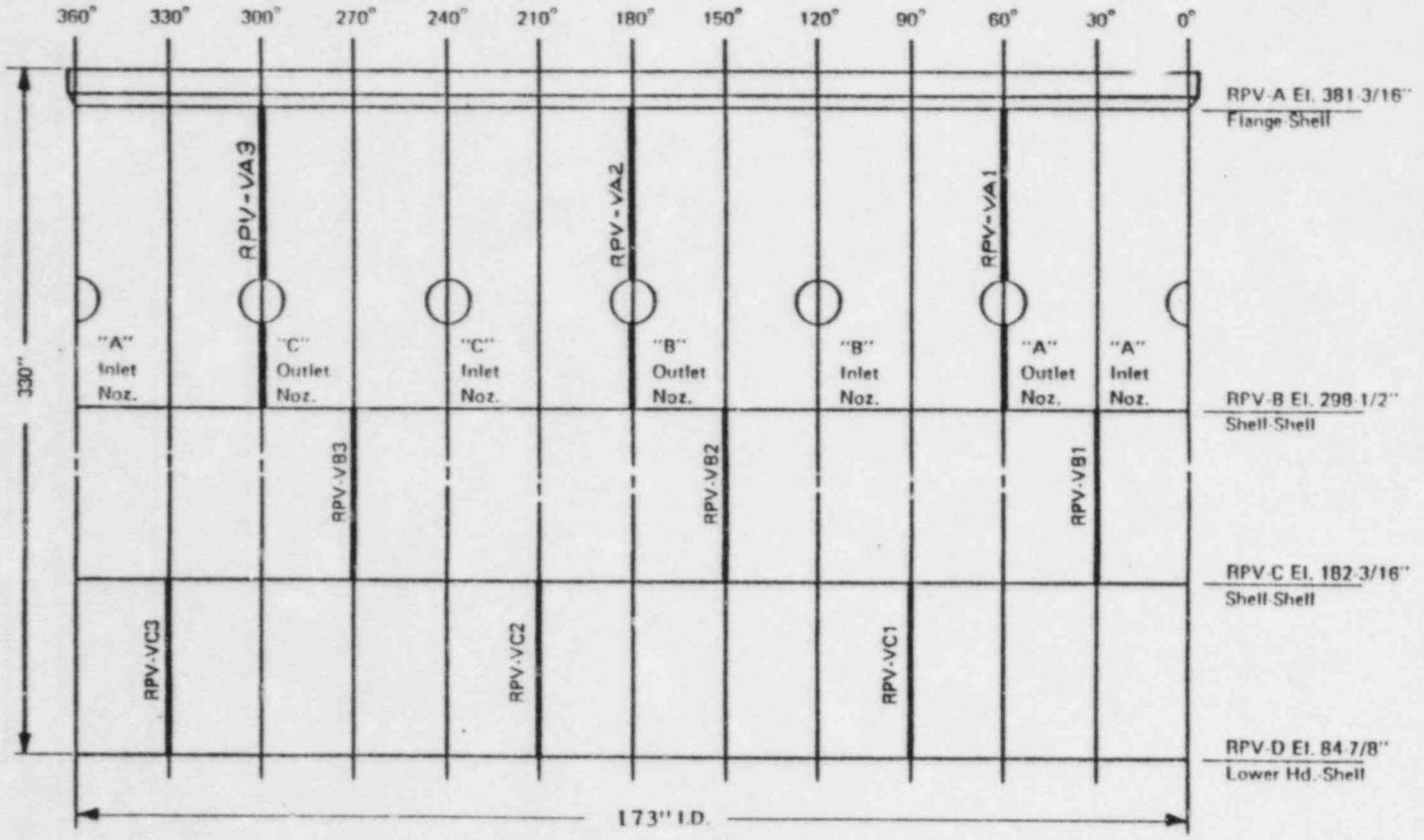
RELIEF REQUEST: Relief is requested from the volumetric examination.

BASIS FOR RELIEF: The loop by-pass lines and the pressurizer surge line are fabricated from A451-CPF8M cast stainless steel. This cast stainless steel has a large columnar grain structure which does not provide meaningful ultrasonic examination. These lines are normally water filled and have contact radiation levels anywhere from 1 to 5 Rem/hr. These conditions make standard methods of radiography impractical. State of the art high energy x-ray is presently impractical, and not cost effective.

The materials' fracture toughness properties are such that a significant defect would lead to a readily detectable leak well before the component would fracture.

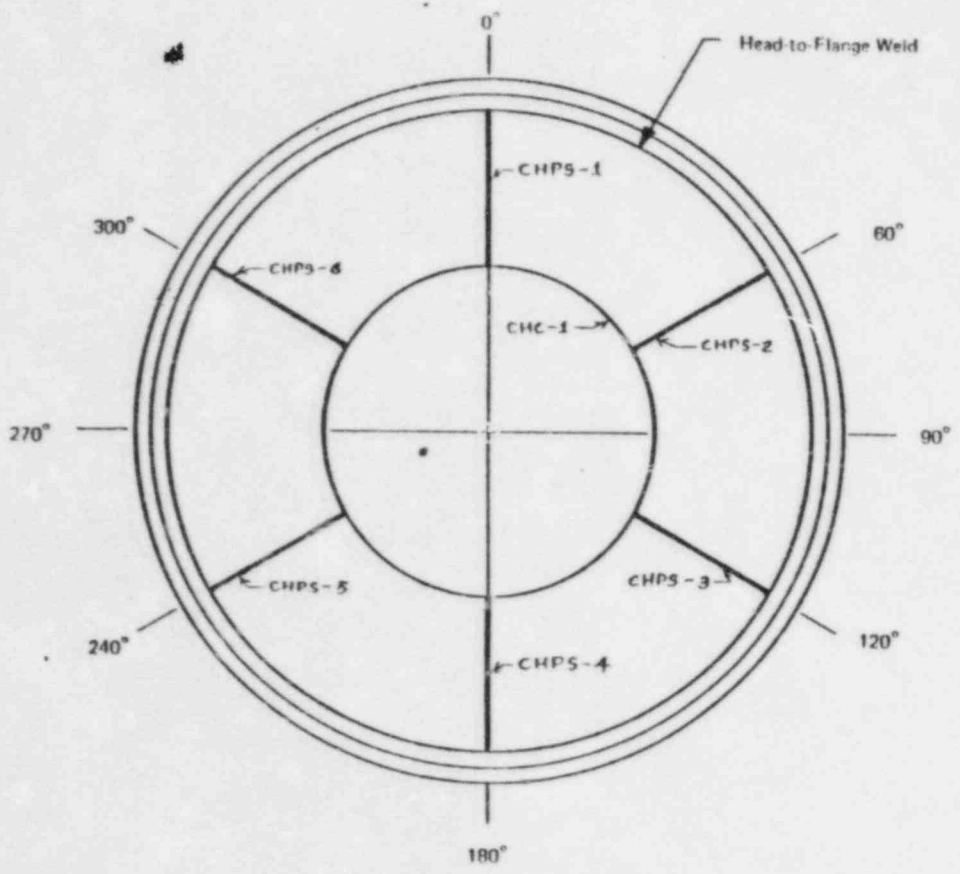
ALTERNATE TEST: Perform the required surface examination. Perform a high energy radiographic exam if the line is drained.

4.0 SAFETY CLASS I DRAWINGS



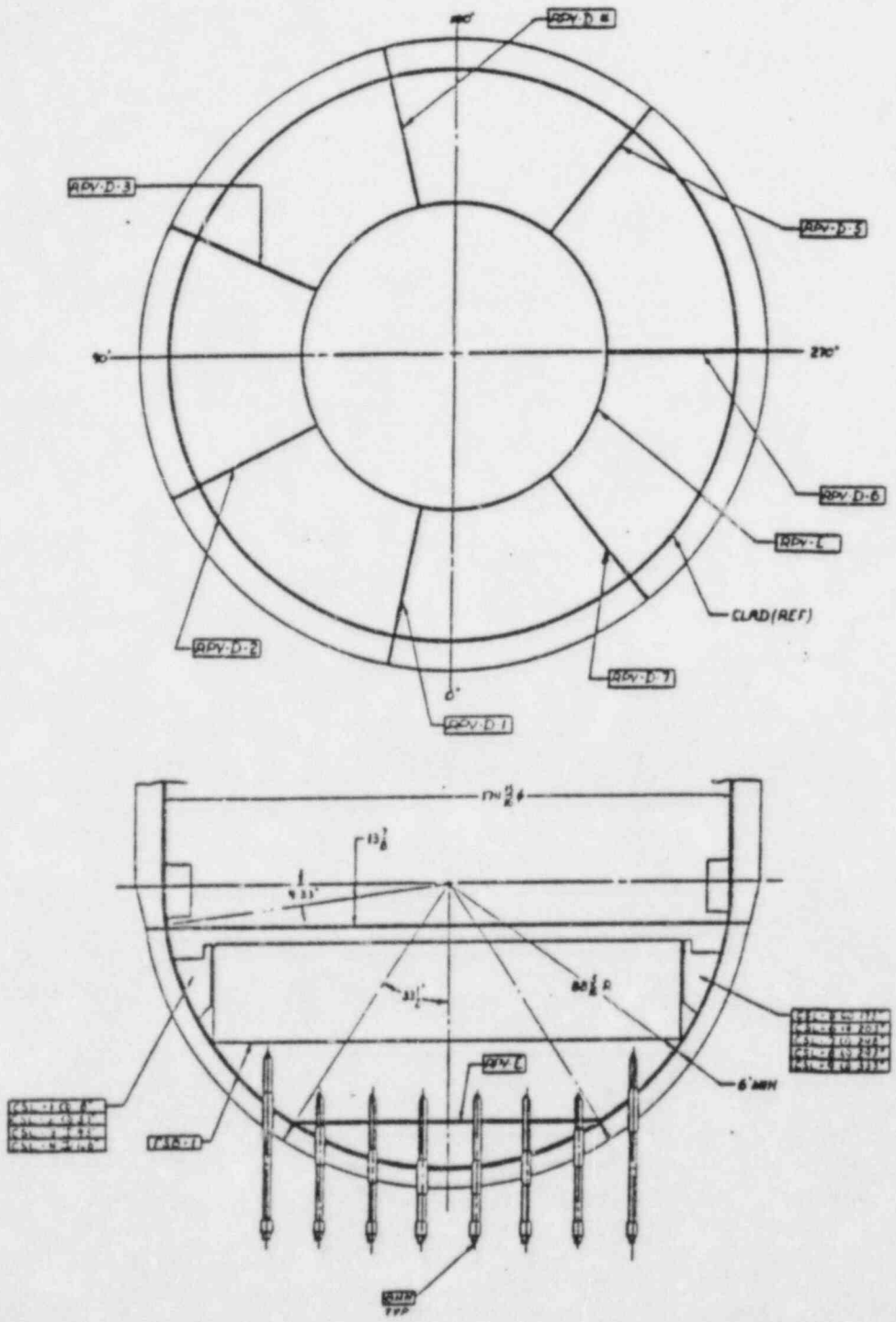
REACTOR PRESSURE VESSEL

DRG. # MY-151-1-1



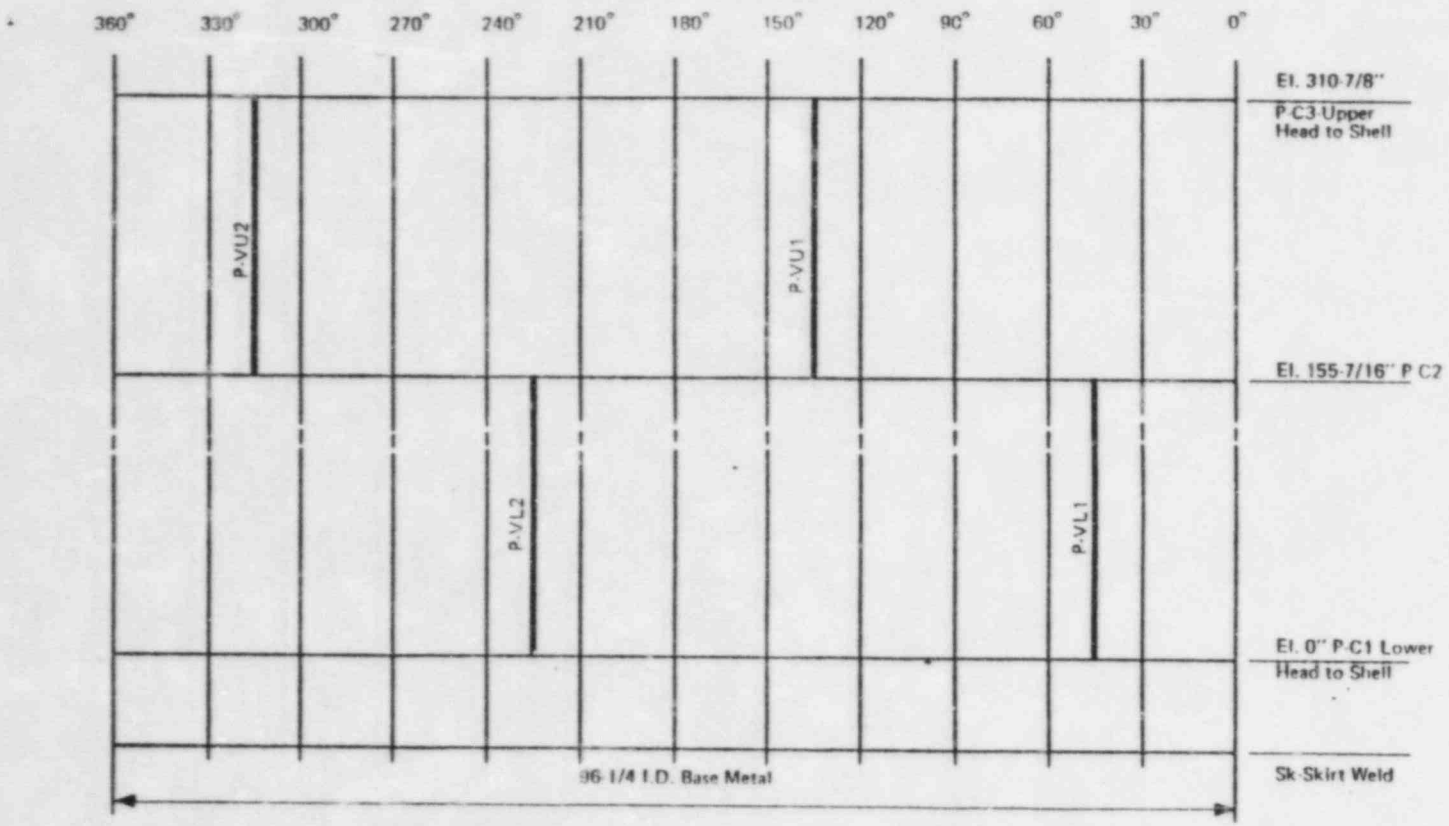
REACTOR PRESSURE VESSEL CLOSURE HEAD

DRG. # MY-ISI-1-2



REACTOR VESSEL BOTTOM HEAD

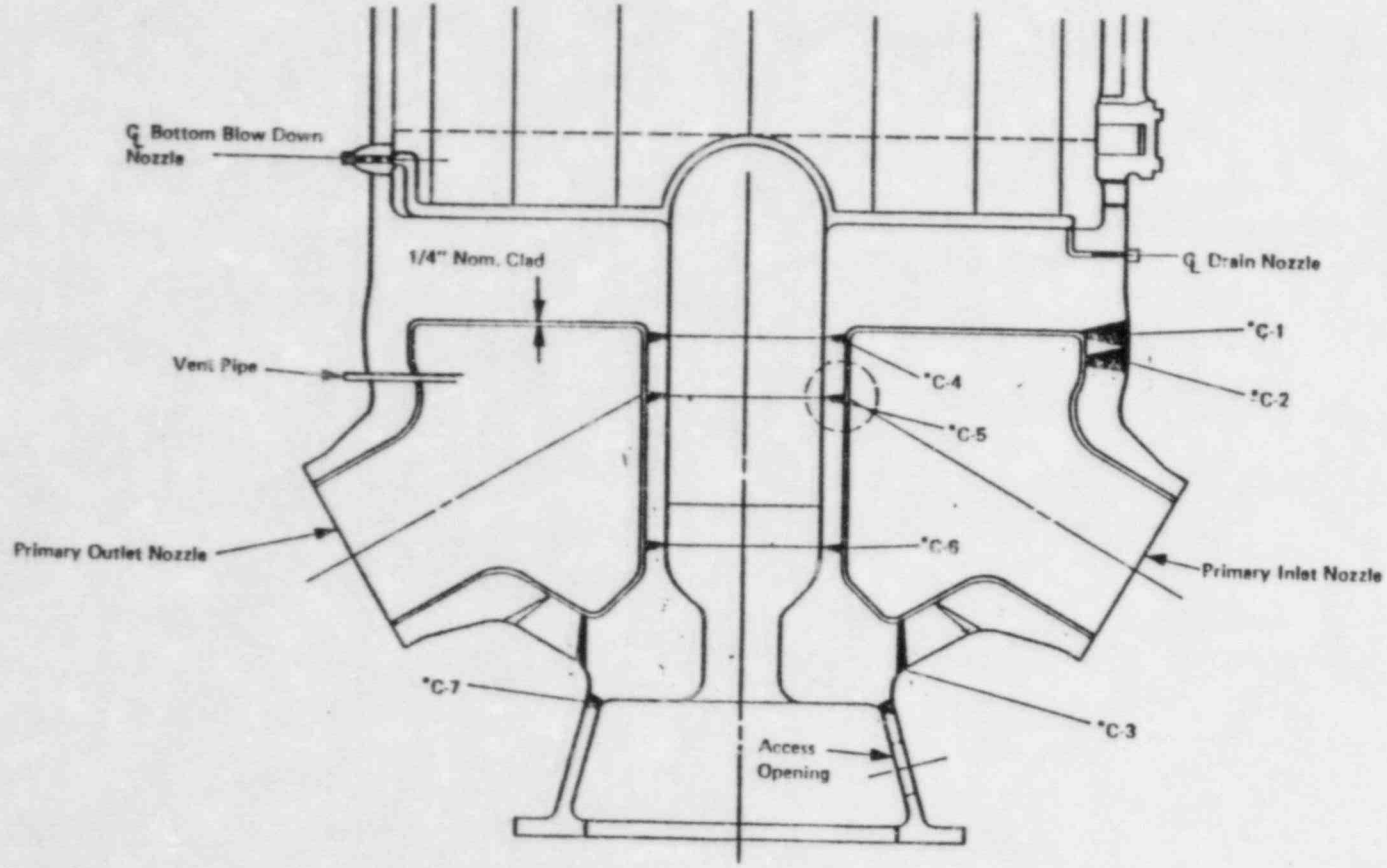
DRG. # MY-151-1-3



Minimum Wall Thickness: 4-7/8"
Minimum Cladding Thickness: 1/8"

PRESSURIZER SHELL COURSES CIRCUMFERENTIAL AND VERTICAL WELDS

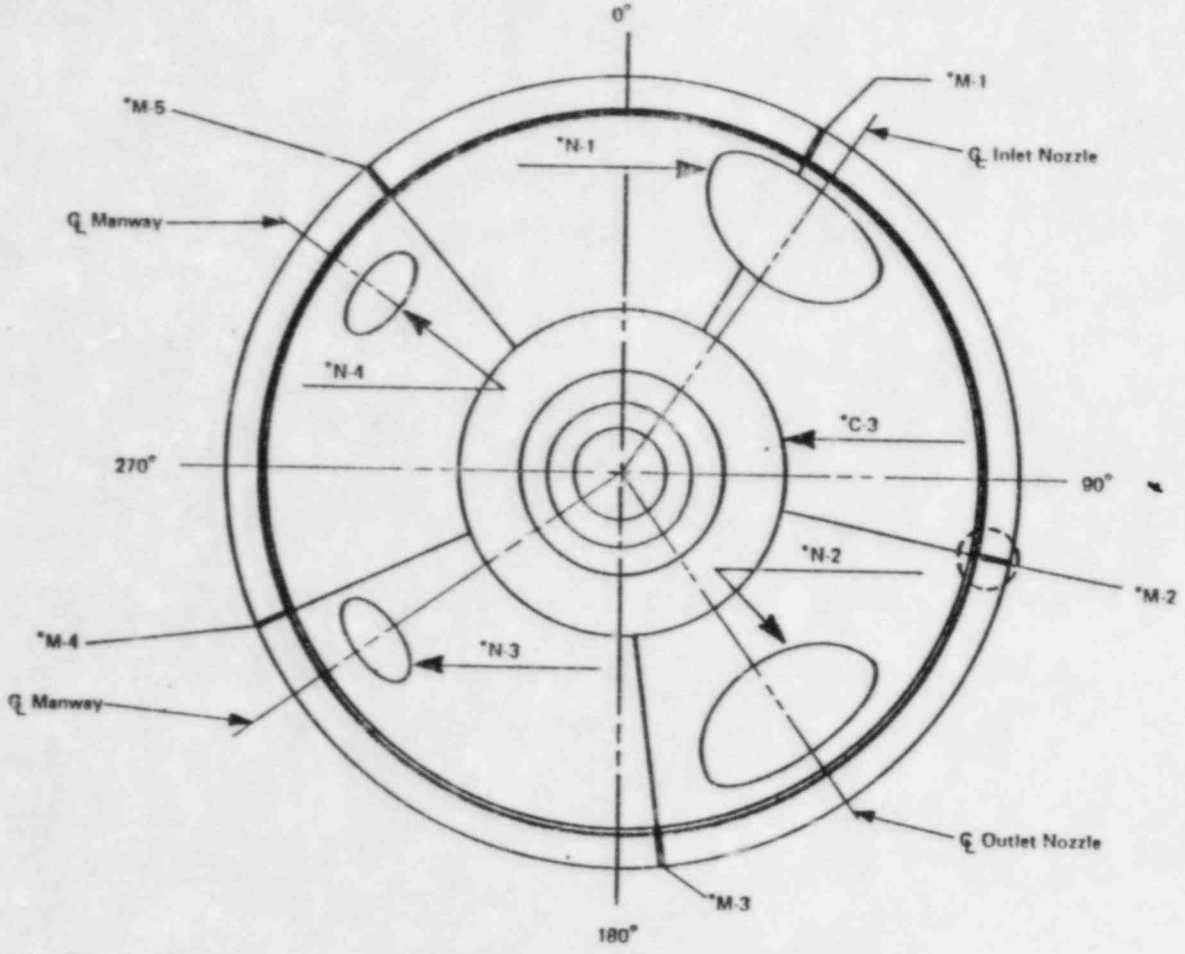
DRG. # MY-151-1-4



Note: *Refers to the specific steam generator in a particular main recirculation loop (1, 2, 3).

TYPICAL STEAM GENERATOR FOR LOOPS 1, 2, AND 3

DRG. # MY-151-1-5



Note: *Refers to the specific steam generator in a particular main recirculation loop (1, 2, and 3).

TYPICAL STEAM GENERATOR LOWER HEAD FOR LOOPS 1, 2, AND 3

DRG. # MY-151-1-6

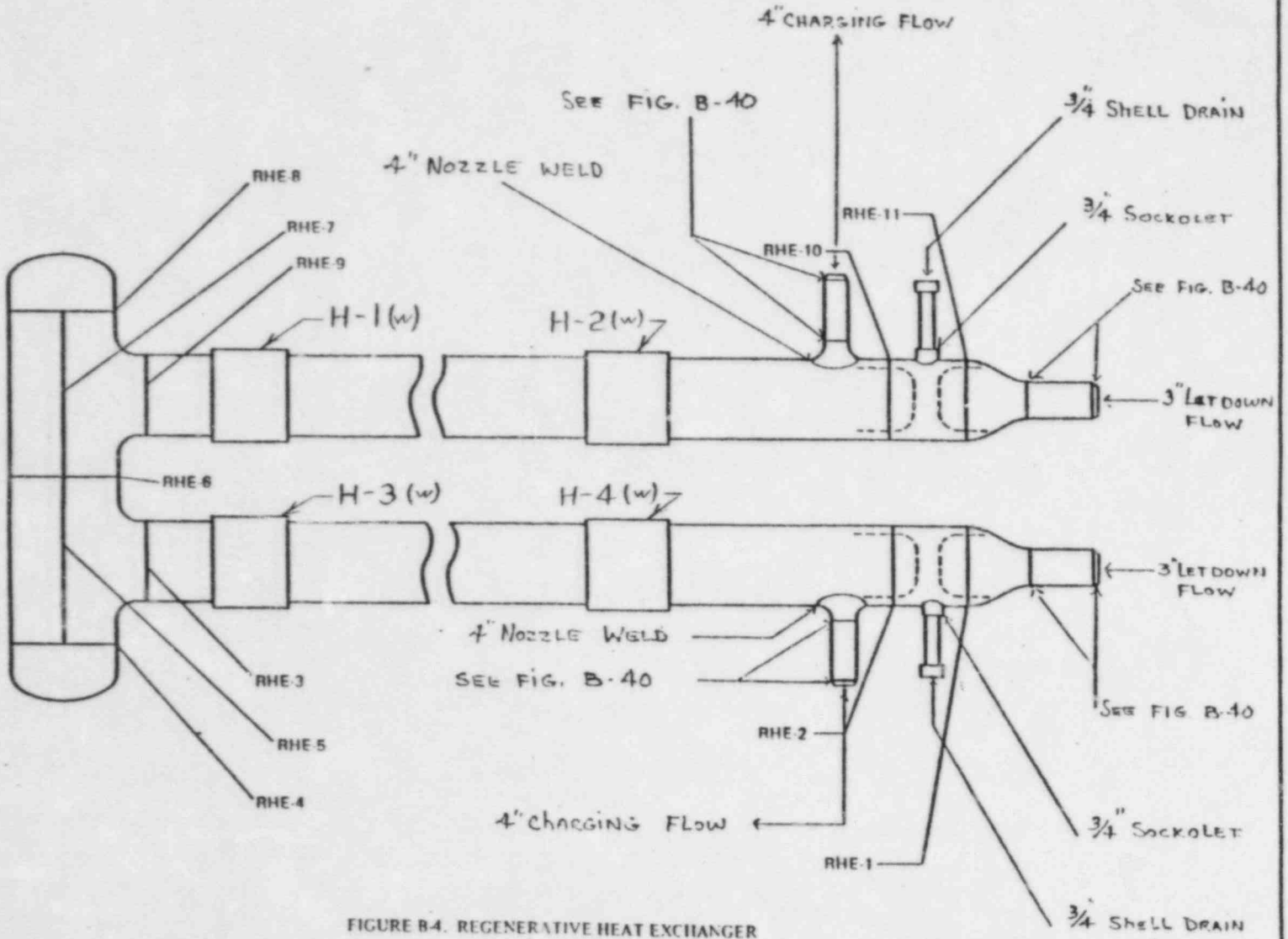
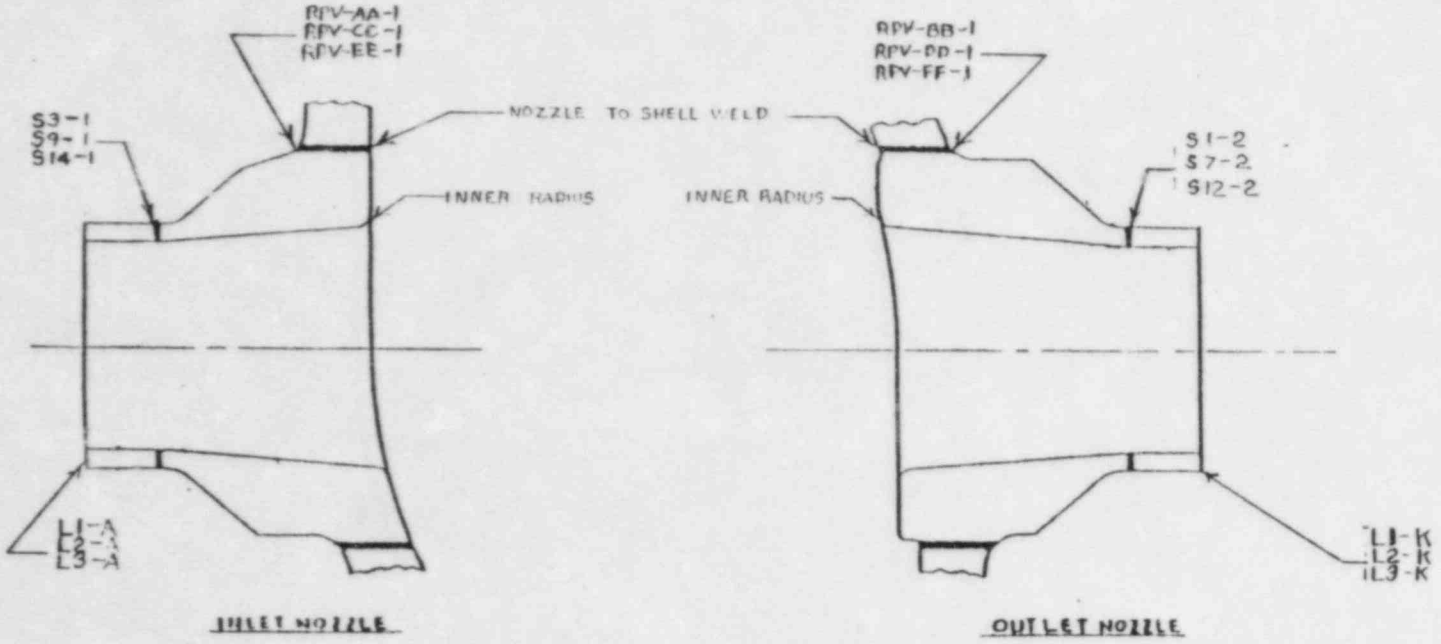


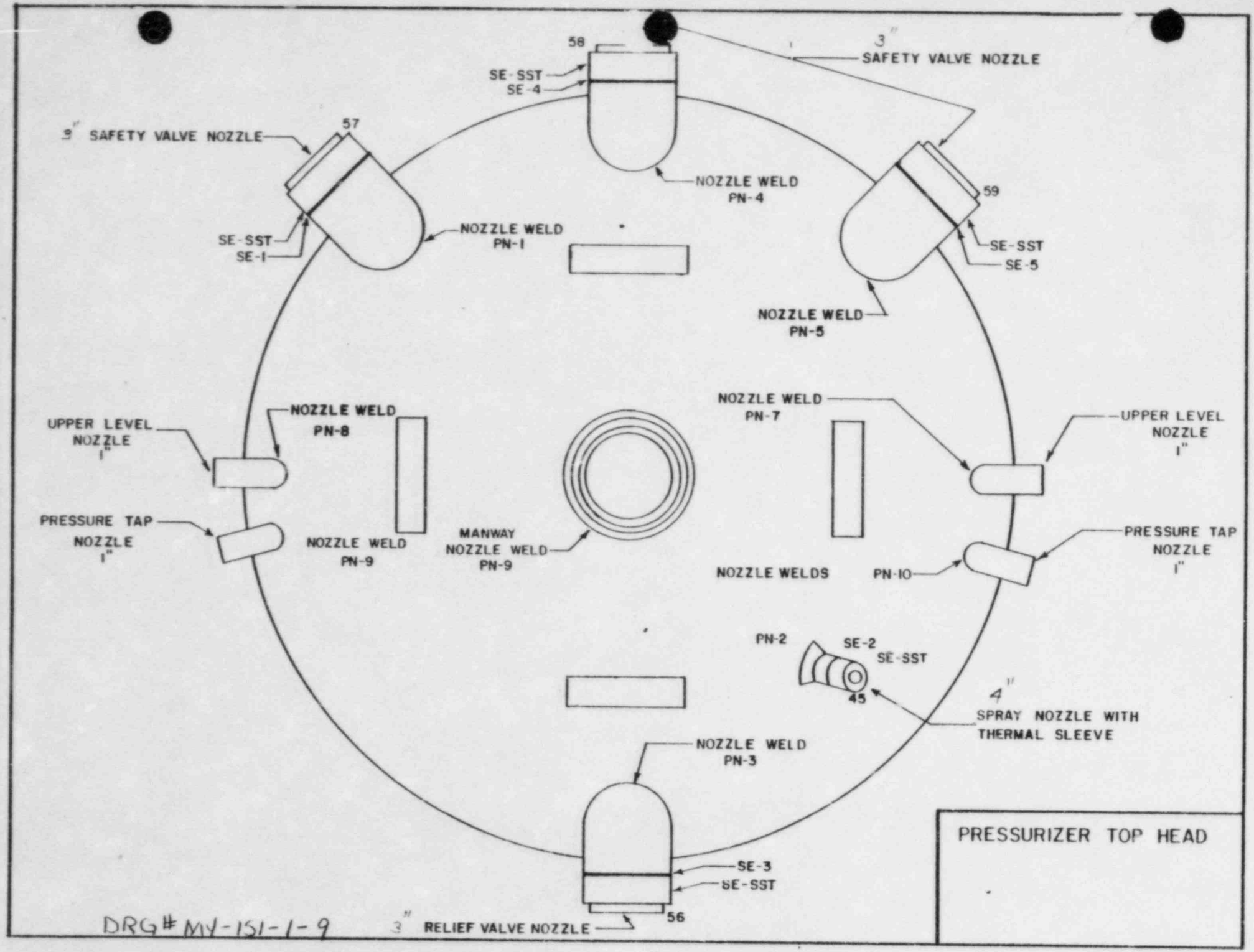
FIGURE B-4. REGENERATIVE HEAT EXCHANGER

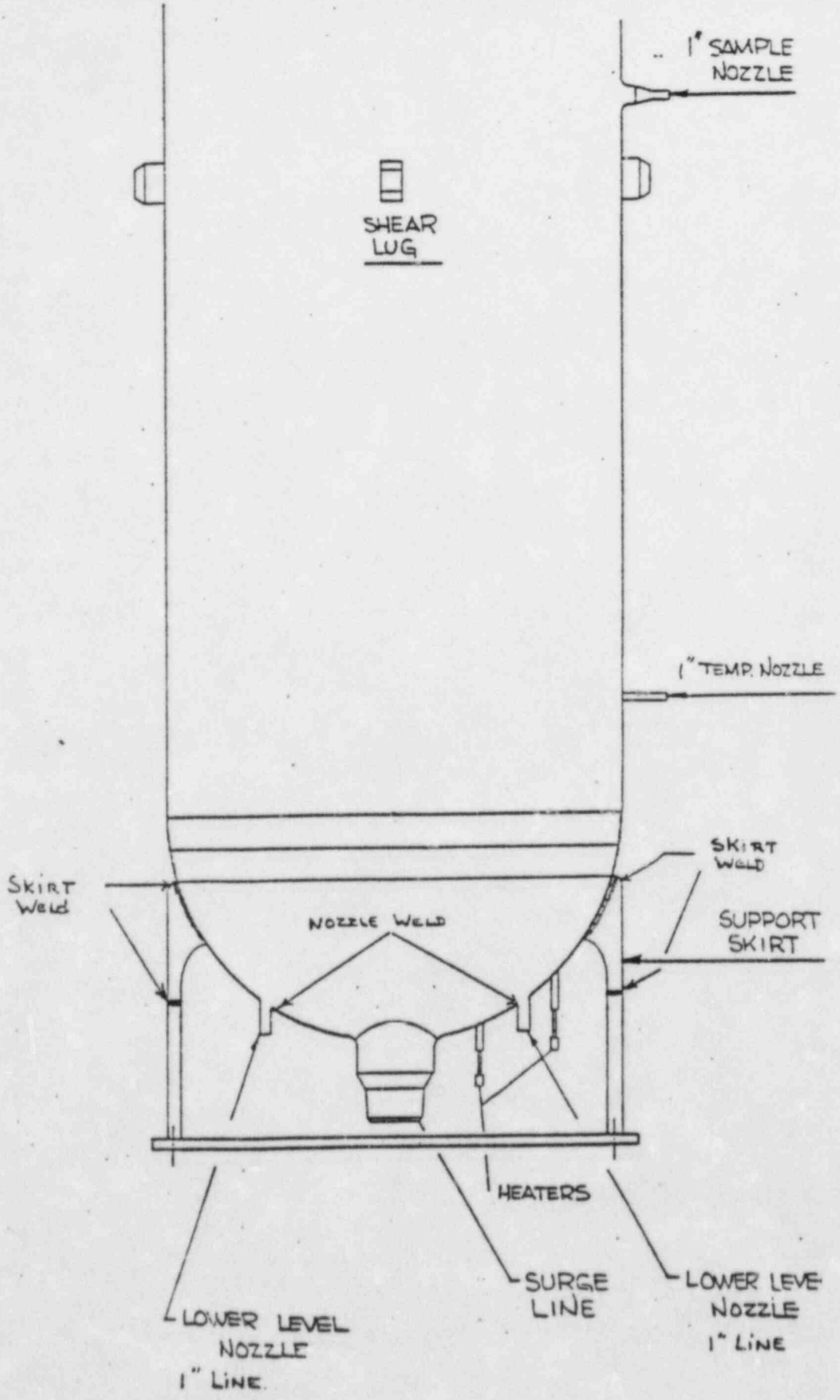
DRG. # MY-151-1-7



RPV NOZZLES

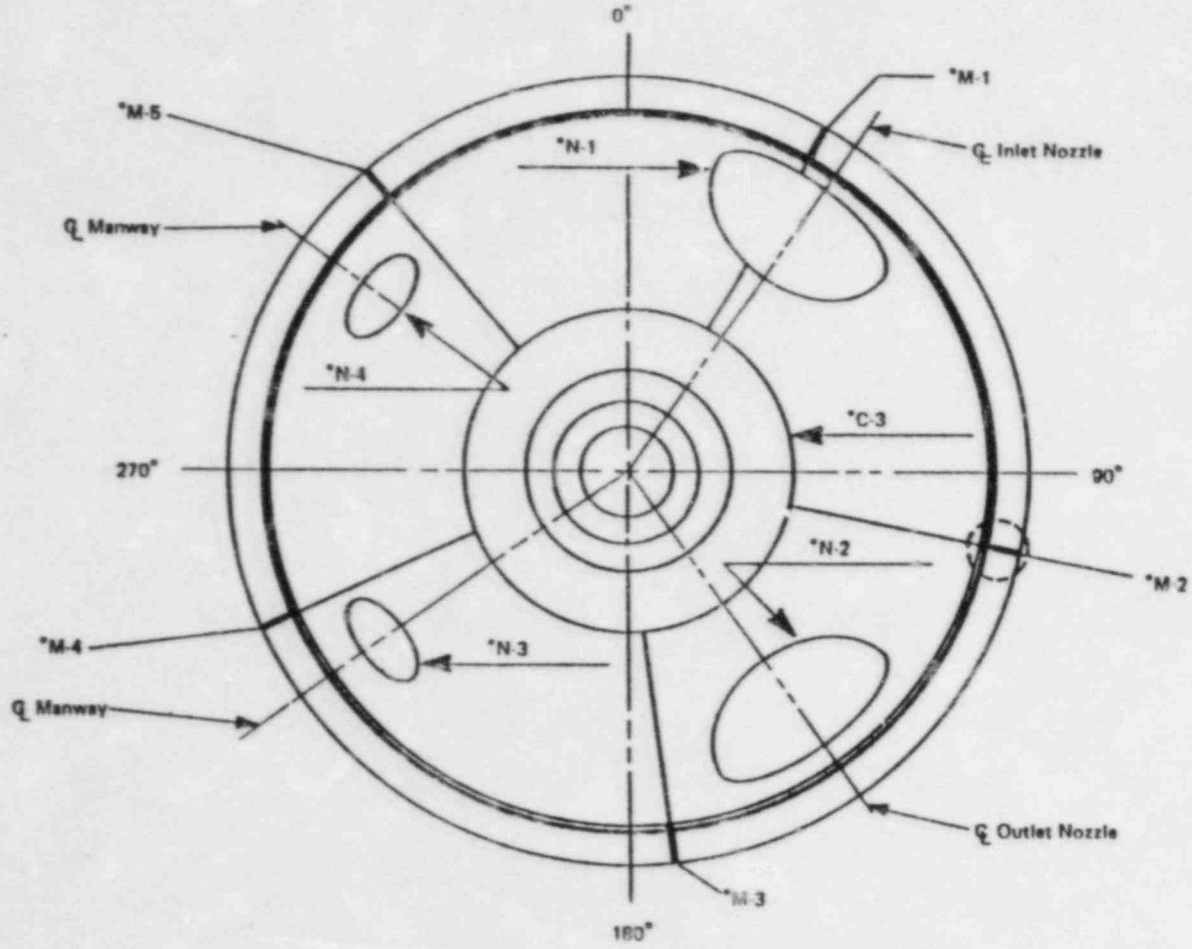
DRG. # MY-151-1-8


58
SE-SST
SE-4
3" SAFETY VALVE NOZZLE
3" SAFETY VALVE NOZZLE
57
NOZZLE WELD PN-4
59
SE-SST
SE-1
NOZZLE WELD PN-1
SE-SST
SE-5
NOZZLE WELD PN-5
NOZZLE WELD PN-8
NOZZLE WELD PN-7
UPPER LEVEL NOZZLE 1"
UPPER LEVEL NOZZLE 1"
PRESSURE TAP NOZZLE 1"
NOZZLE WELD PN-9
MANWAY NOZZLE WELD PN-9
NOZZLE WELDS
PN-10
PRESSURE TAP NOZZLE 1"
PN-2
SE-2
SE-SST
45
4" SPRAY NOZZLE WITH THERMAL SLEEVE
NOZZLE WELD PN-3
SE-3
SE-SST
56
3" RELIEF VALVE NOZZLE
PRESSURIZER TOP HEAD
DRG # MY-151-1-9



PRESSURIZER

DRG. # MV-151-1-1.0

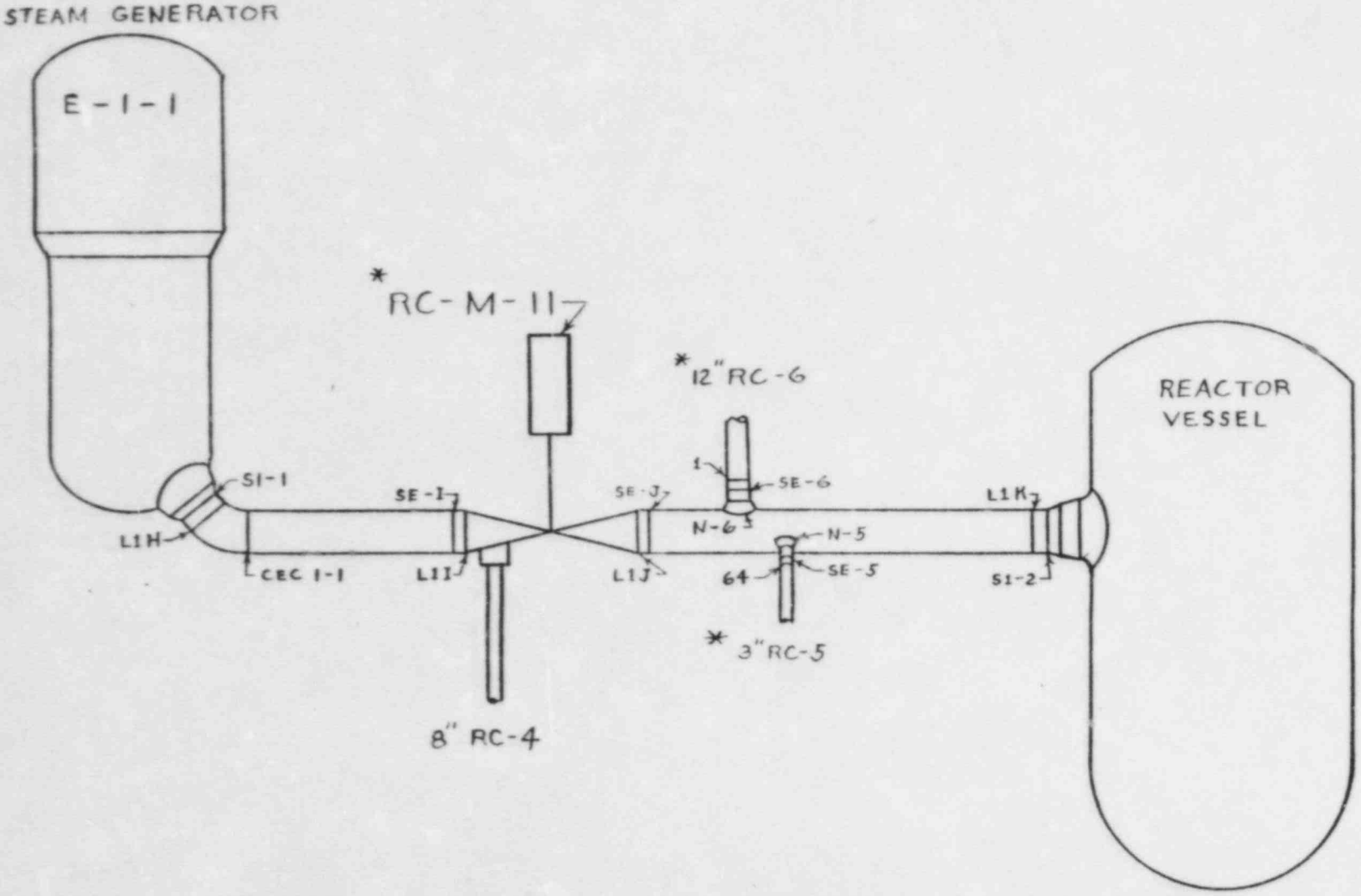


Note: *Refers to the specific steam generator in a particular main recirculation loop (1, 2, and 3).

TYPICAL STEAM GENERATOR LOWER HEAD FOR LOOPS 1, 2, AND 3

DRG. # MY-ISI-1-11

LINE 33½" RC-1
LOOP 1

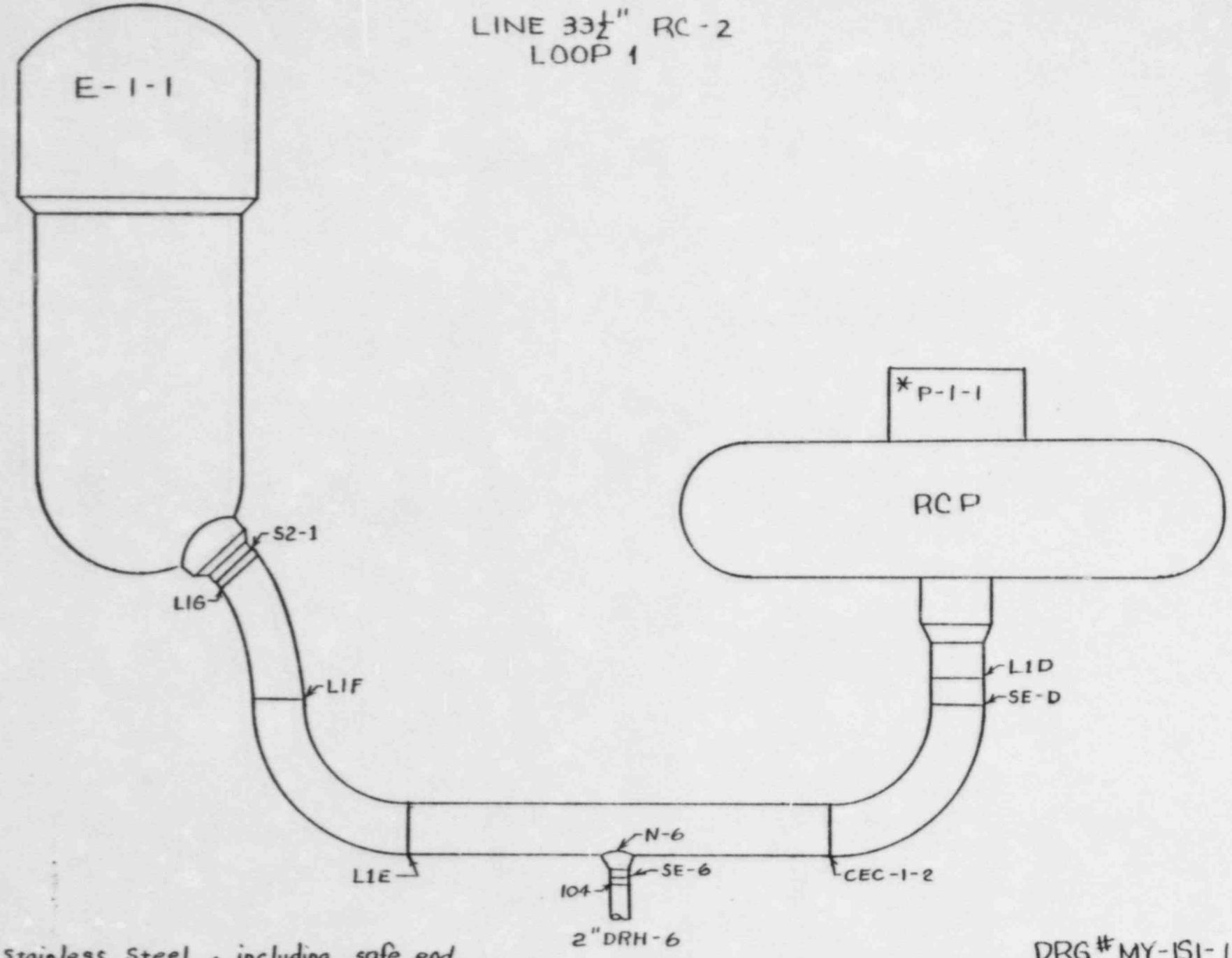


*Stainless Steel, including safe ends

DRG # MY-191-1-12

STEAM GENERATOR

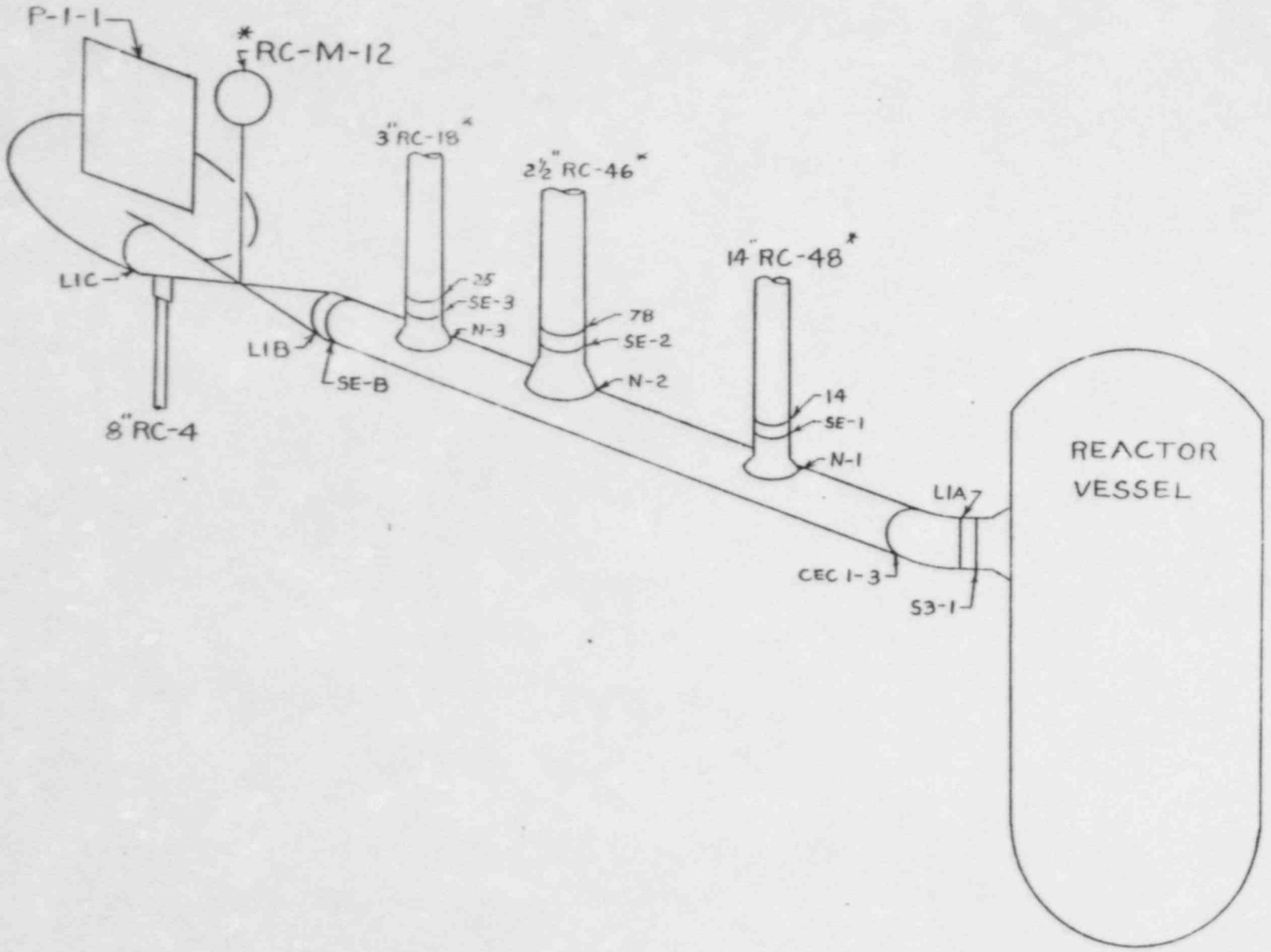
LINE 33½" RC-2
LOOP 1



* Stainless Steel, including safe end

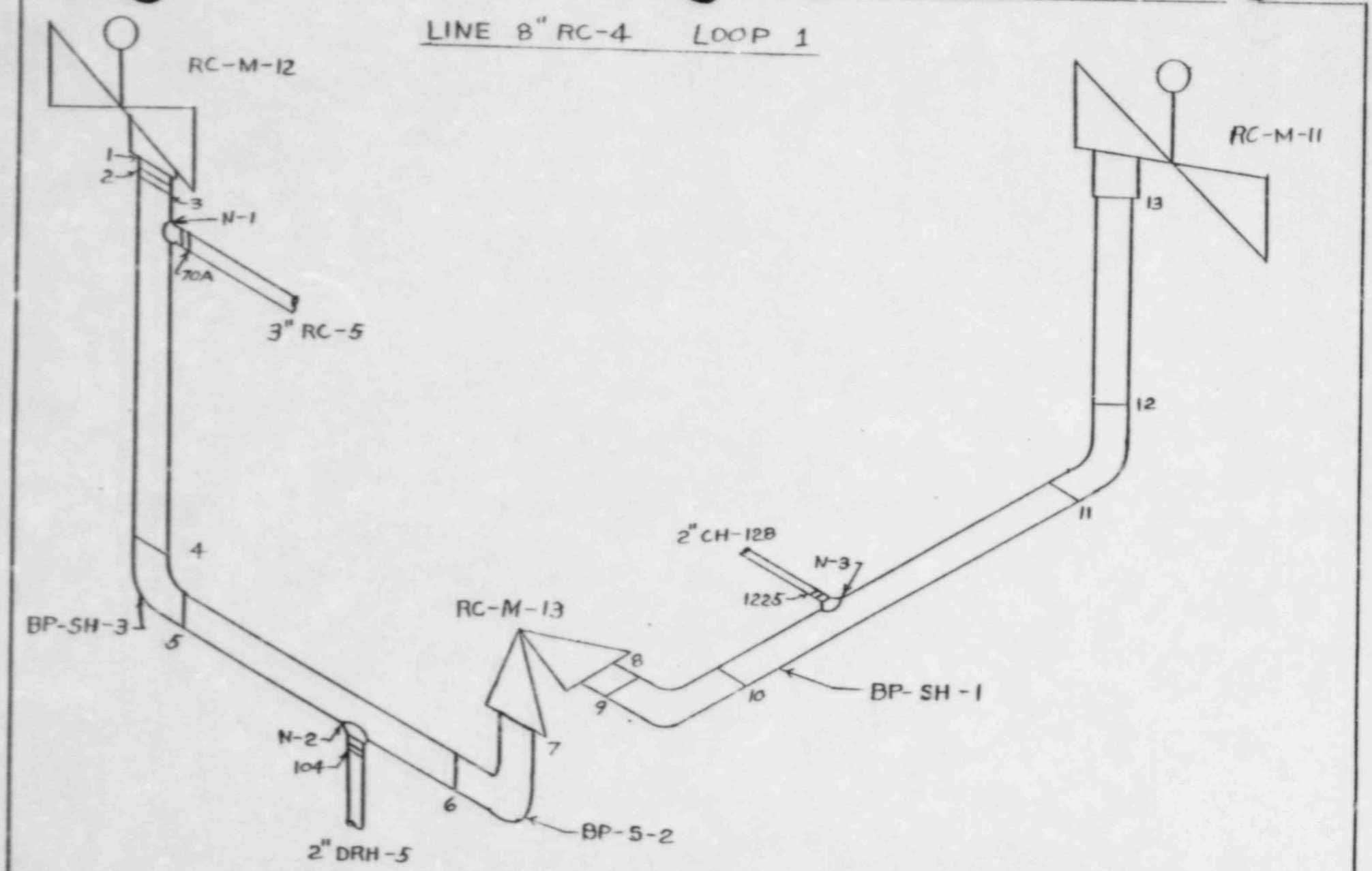
DRG # MY-151-1-13

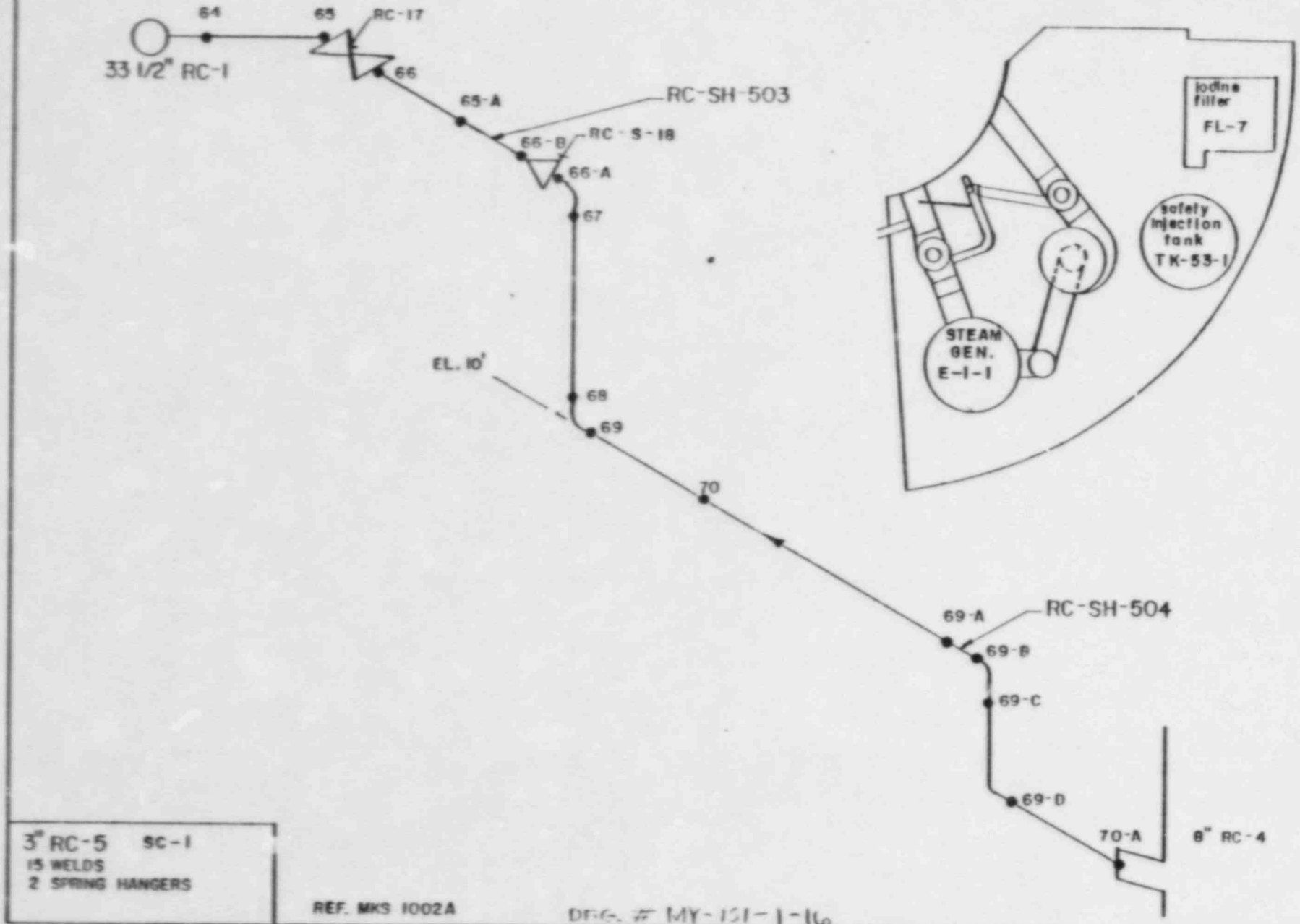
LINE 33½" RC-3 LOOP 1

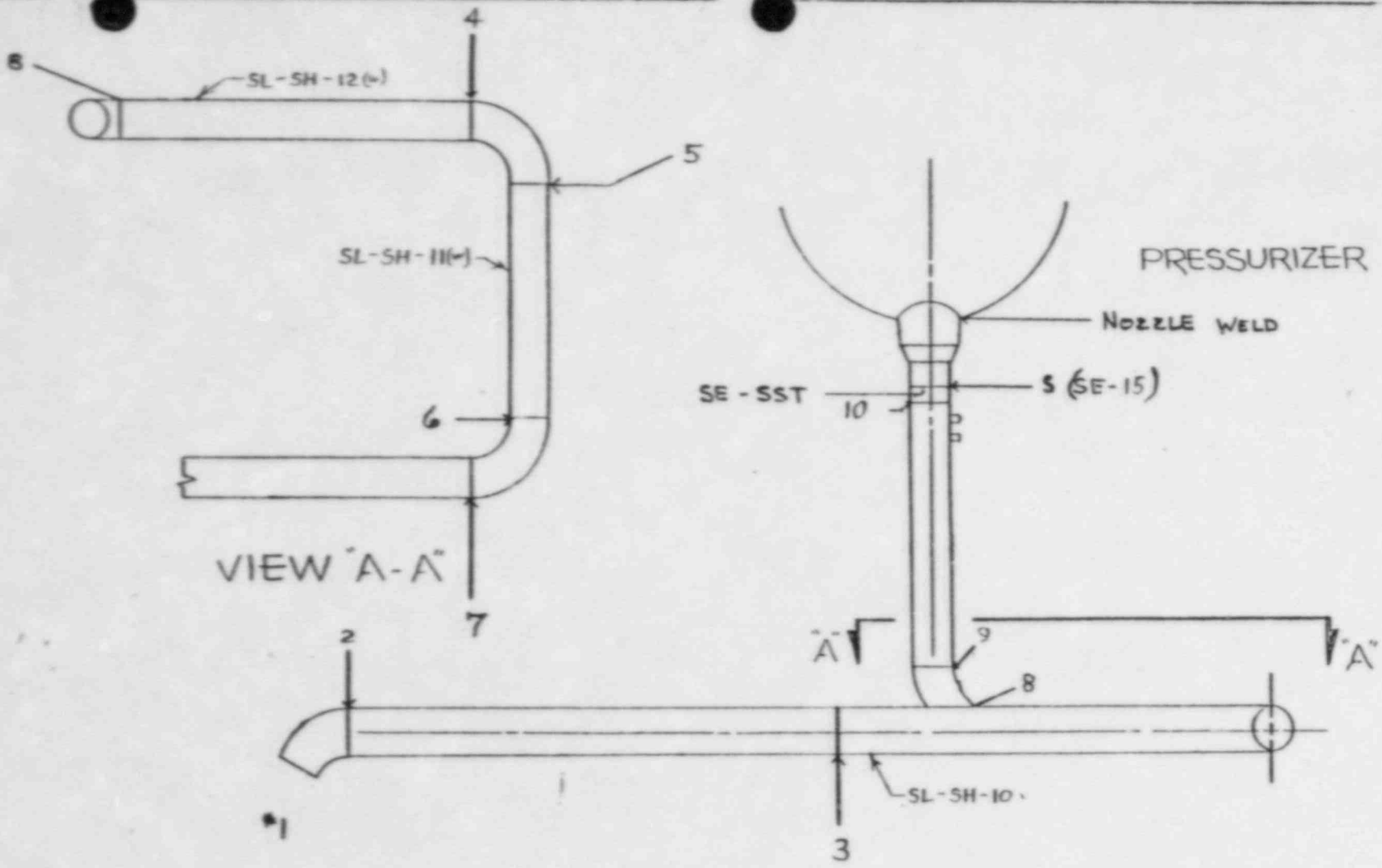


* Stainless Steel, including safe end

DRG.# MY-151-1-14


LINE 8" RC-4 LOOP 1
RC-M-12
RC-M-11
1
2
3
N-1
70A
3" RC-5
13
12
11
4
2" CH-128
N-3
1225
RC-M-13
BP-SH-3
5
8
9
10
BP-SH-1
7
N-2
104
6
BP-5-2
2" DRH-5
DRG. # MY-191-1-15

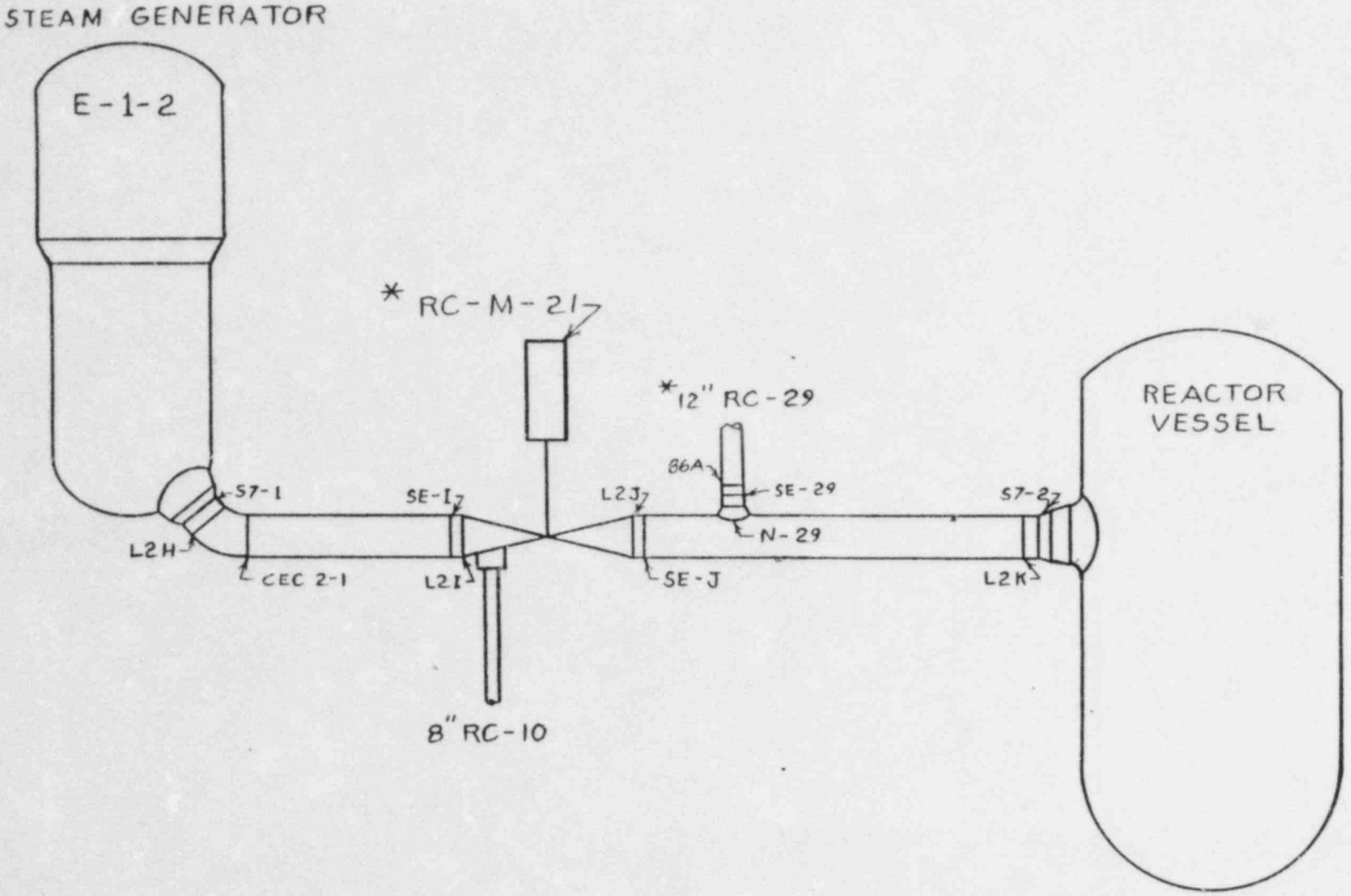

64
65
RC-17
33 1/2" RC-1
66
65-A
RC-SH-503
66-B
RC-S-18
66-A
67
EL. 10'
68
69
70
69-A
RC-SH-504
69-B
69-C
69-D
70-A
8" RC-4
Iodine filter FL-7
safety injection tank TK-53-1
STEAM GEN. E-1-1
3" RC-5 SC-1
15 WELDS
2 SPRING HANGERS
REF. MKS 1002A
DRG. # MY-151-1-16



RC-6 12" PRESSURIZER SURGE LINE

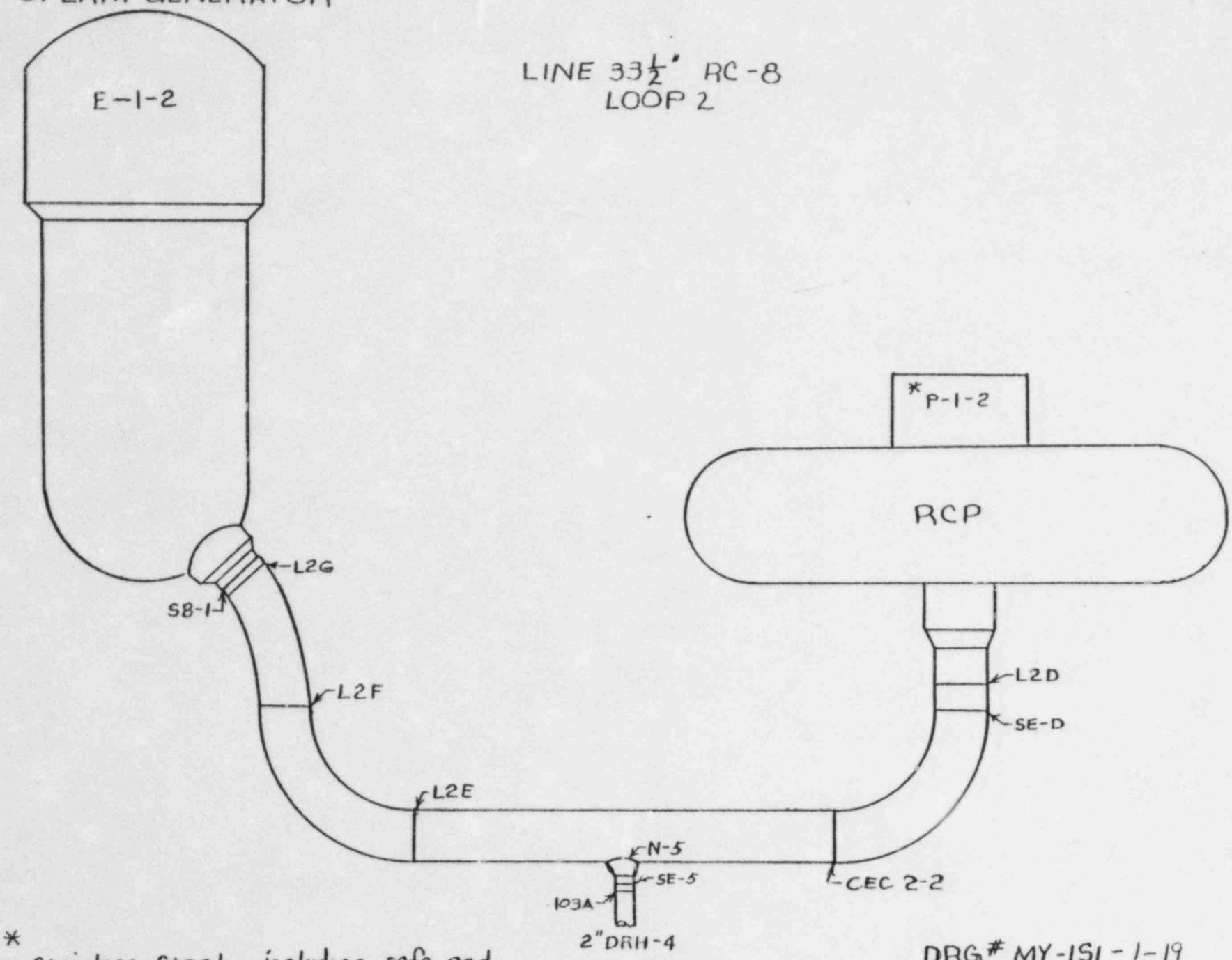
DRG. # MY-151-1-17

LINE 33½" RC-7
LOOP 2



* Stainless Steel, including safe ends

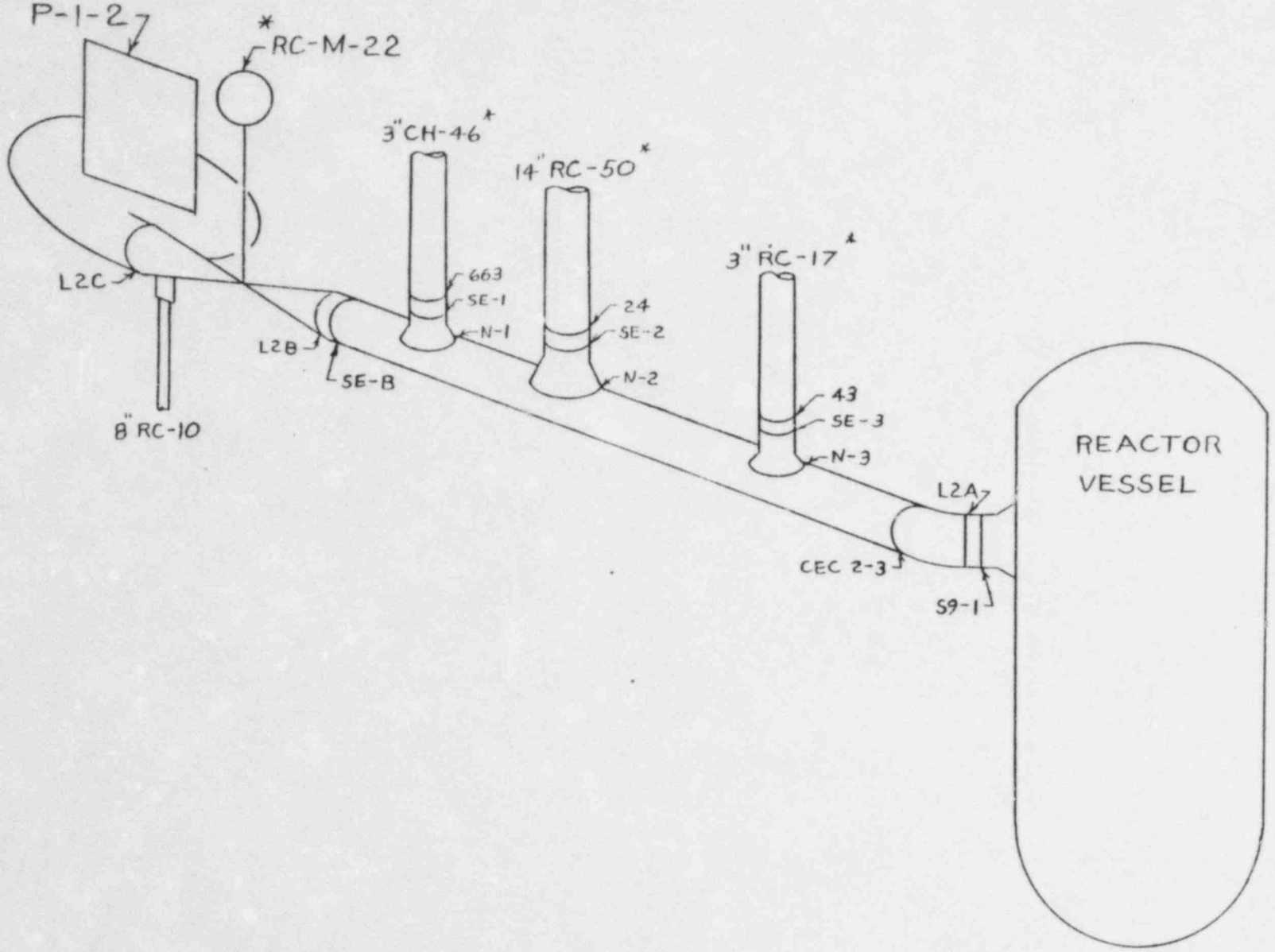
DRG. # MY-151-1-18



* Stainless Steel, including safe end

DRG# MY-1SI-1-19

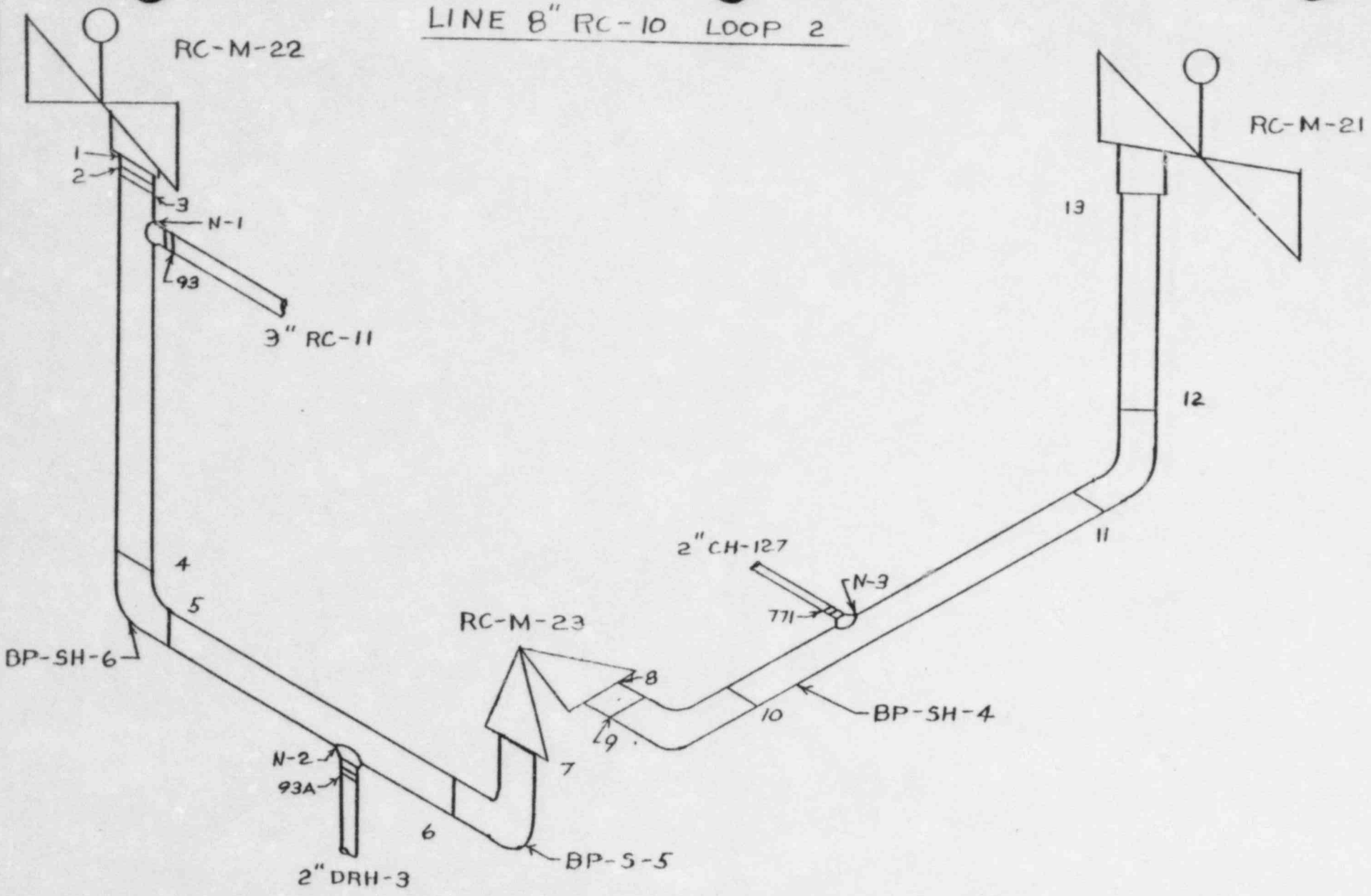
LINE 33½" RC-9 LOOP 2



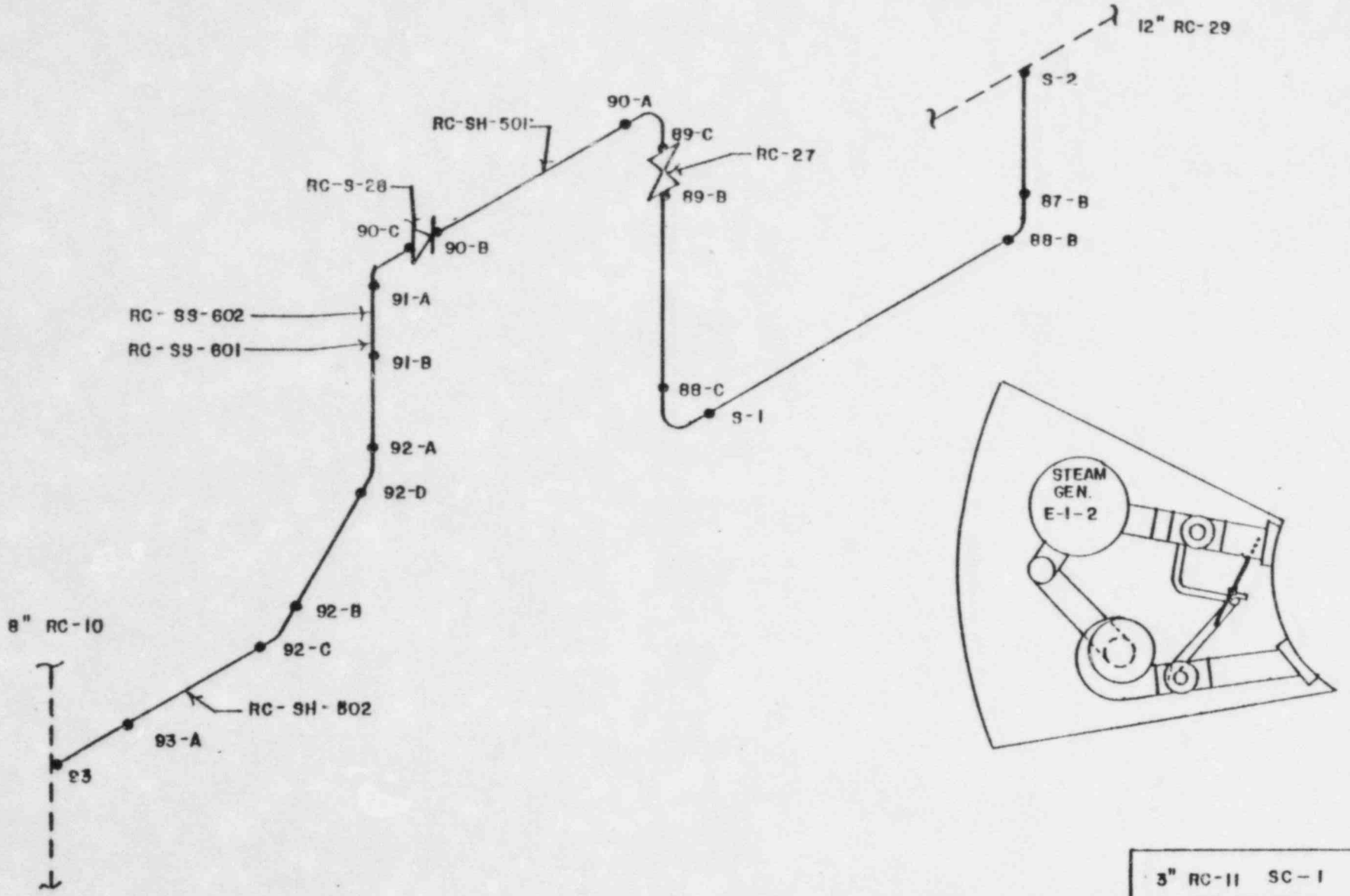
* Stainless Steel, including safe end

DRG.# MY-151-1-20

LINE 8" RC-10 LOOP 2



DRG. # MY-151-1-21

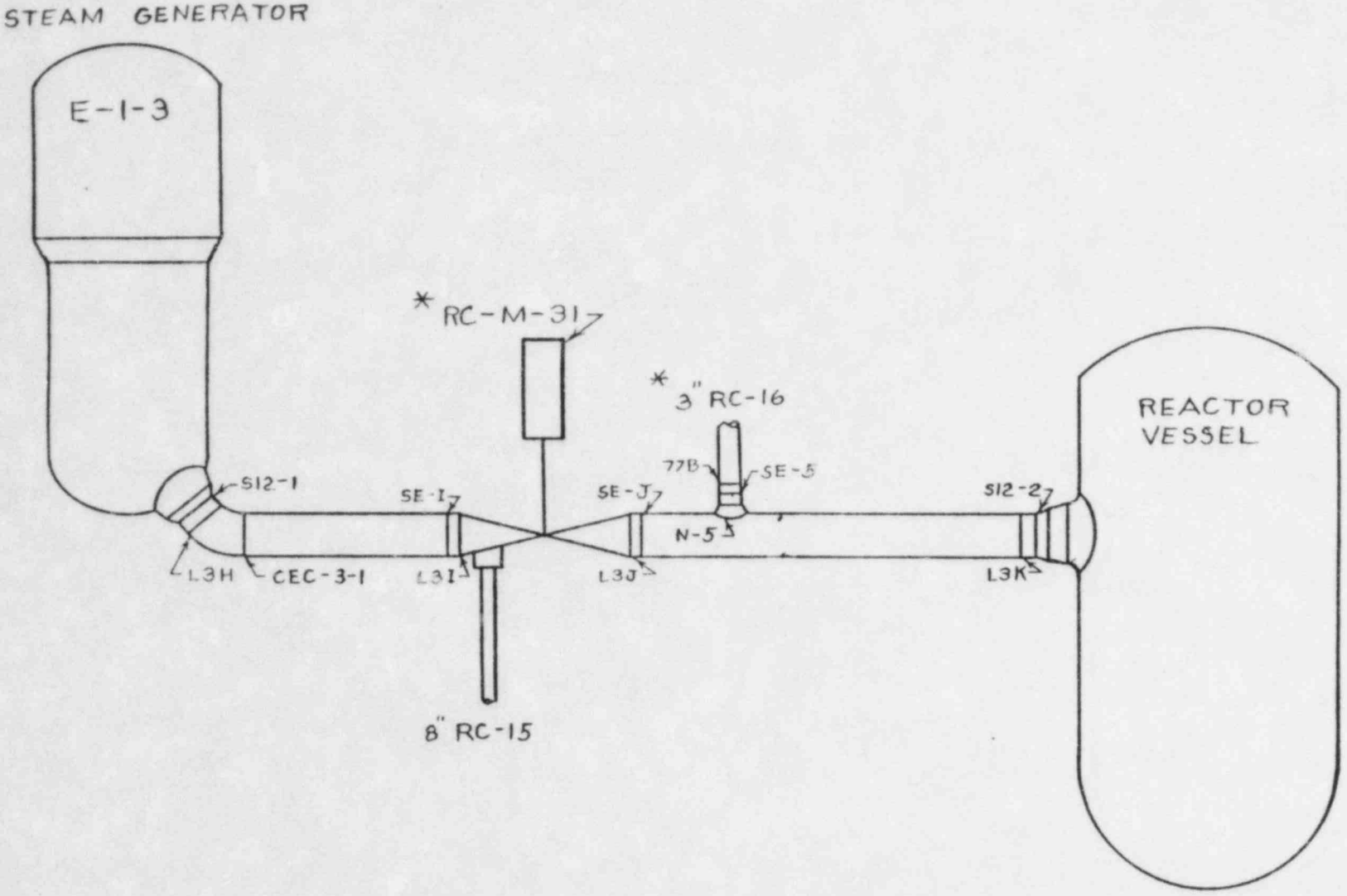


3" RC-11	SC-1
2	SPR. HANGERS
2	SHOCK SUPP.
18	WELDS

REF. MKS 1004A

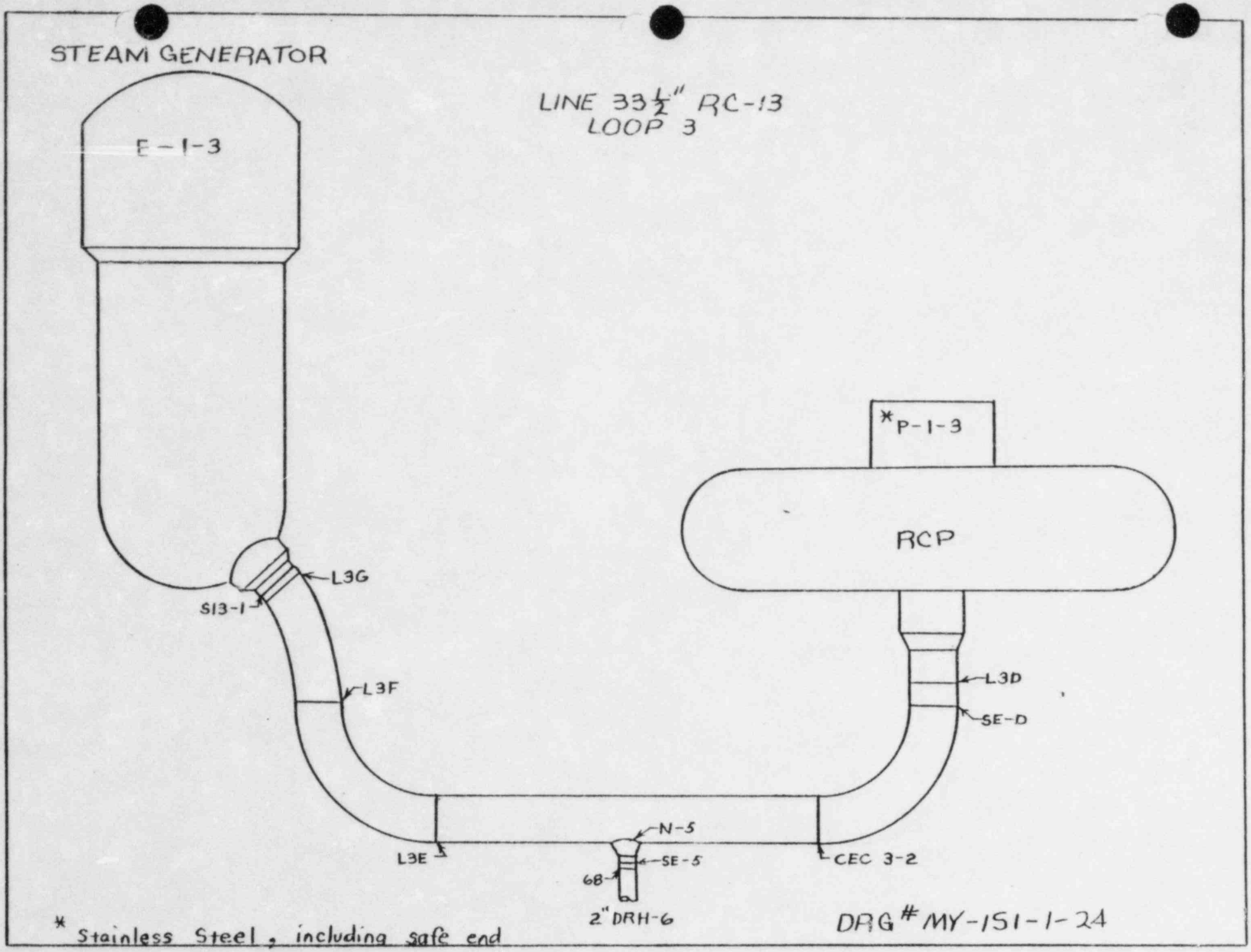
ERG. # MY-151-1-22

LINE ½" RC-12
LOOP 3

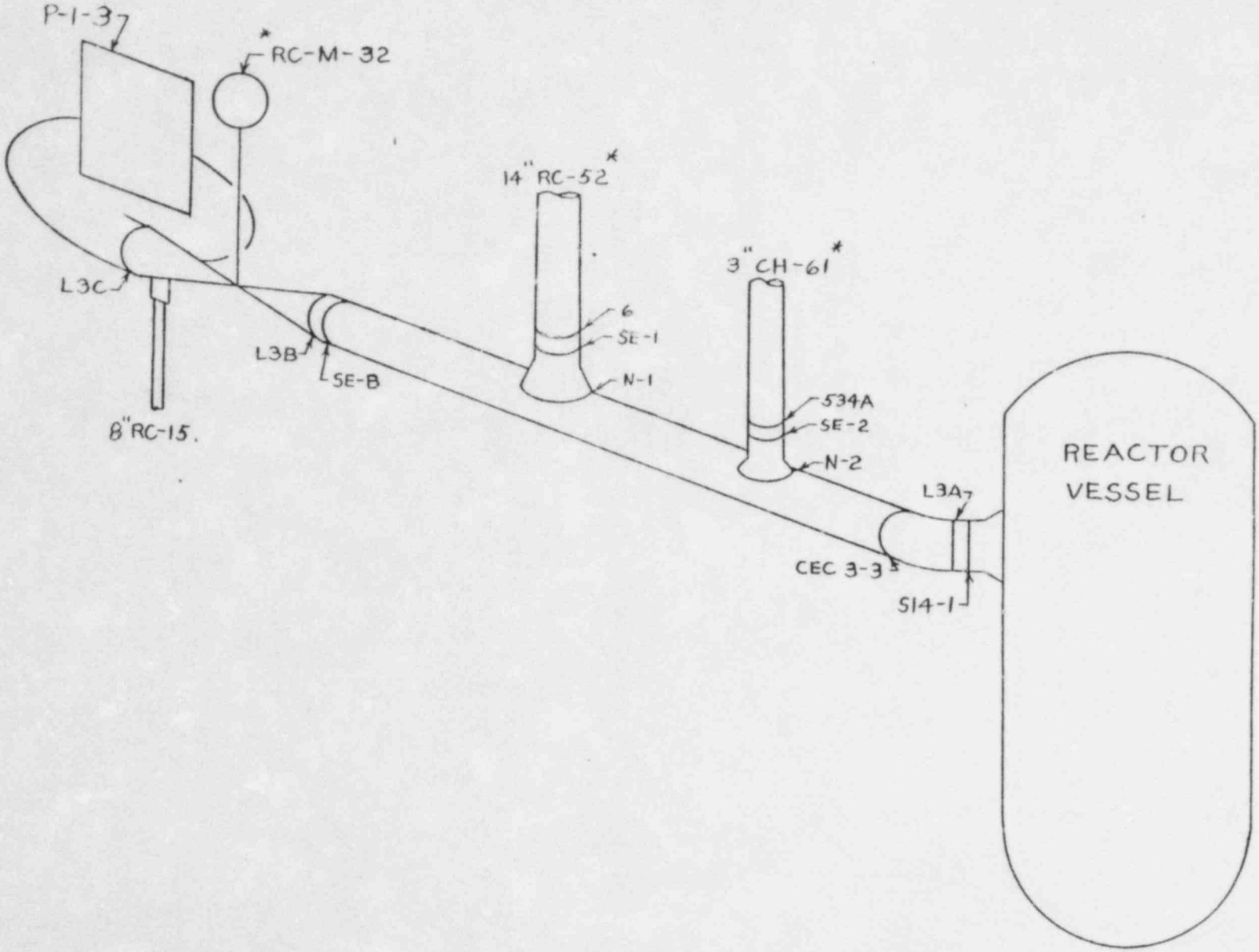


* Stainless Steel, including safe ends

DRG. # MY-ISI-1-23

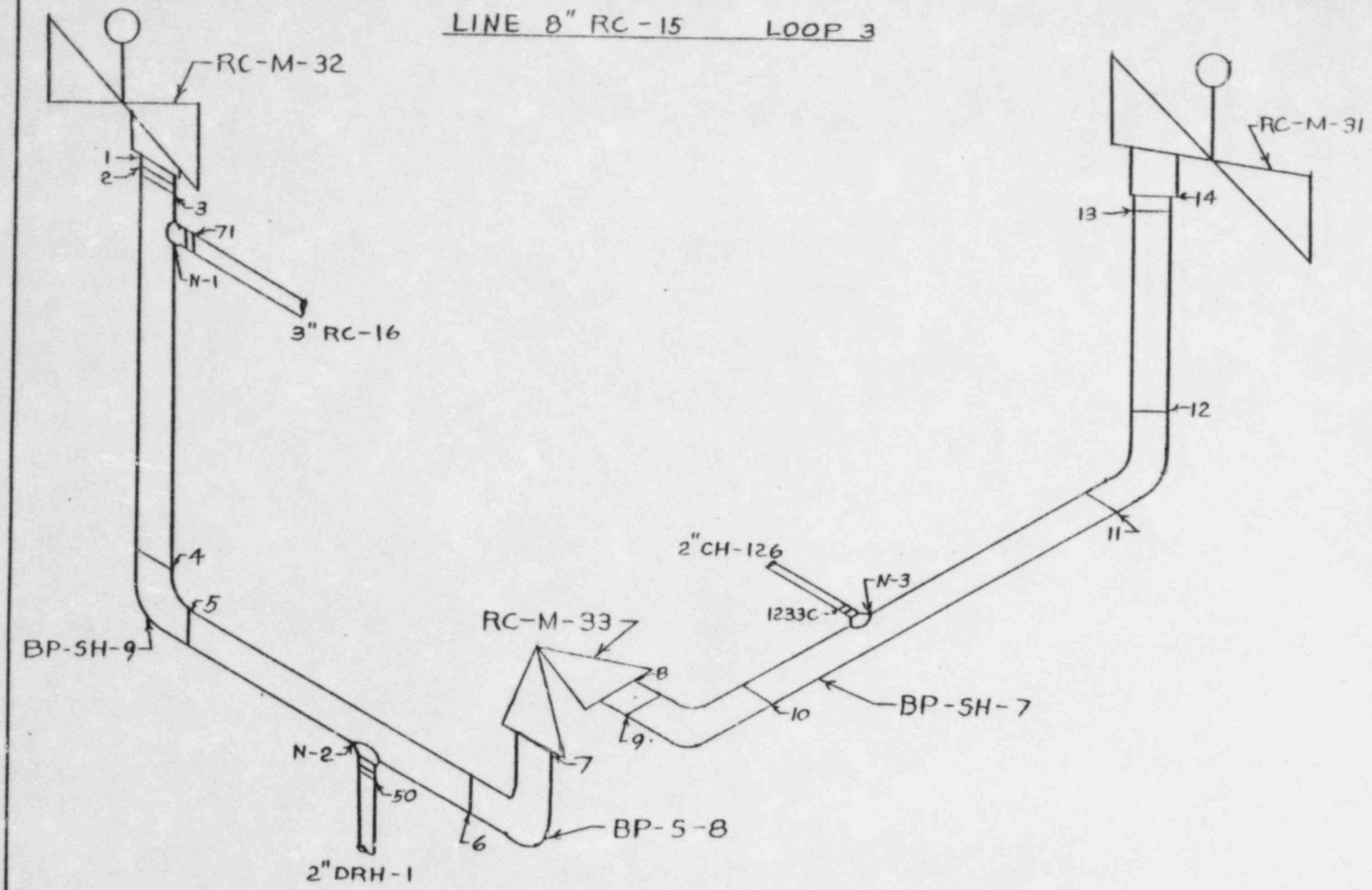

STEAM GENERATOR
LINE 33½" RC-13
LOOP 3
E-1-3
*P-1-3
RCP
L3G
S13-1
L3F
L3D
SE-D
N-5
SE-5
L3E
CEC 3-2
68
2" DRH-6
* Stainless Steel, including safe end
DRG # MY-151-1-24

LINE 33½" RC-14 LOOP 3

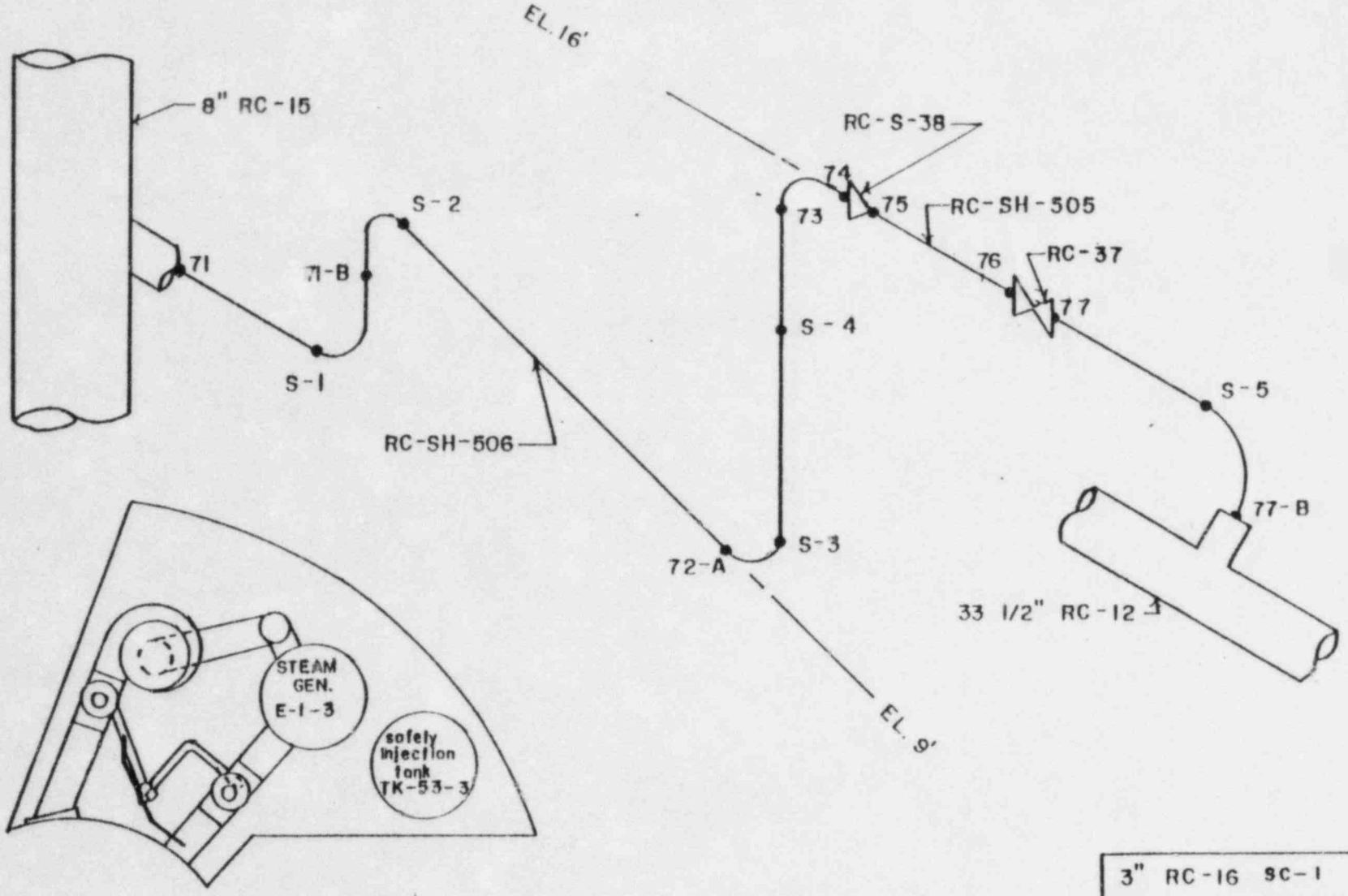


* Stainless Steel, including safe end

DRG.# MY-151-1-25



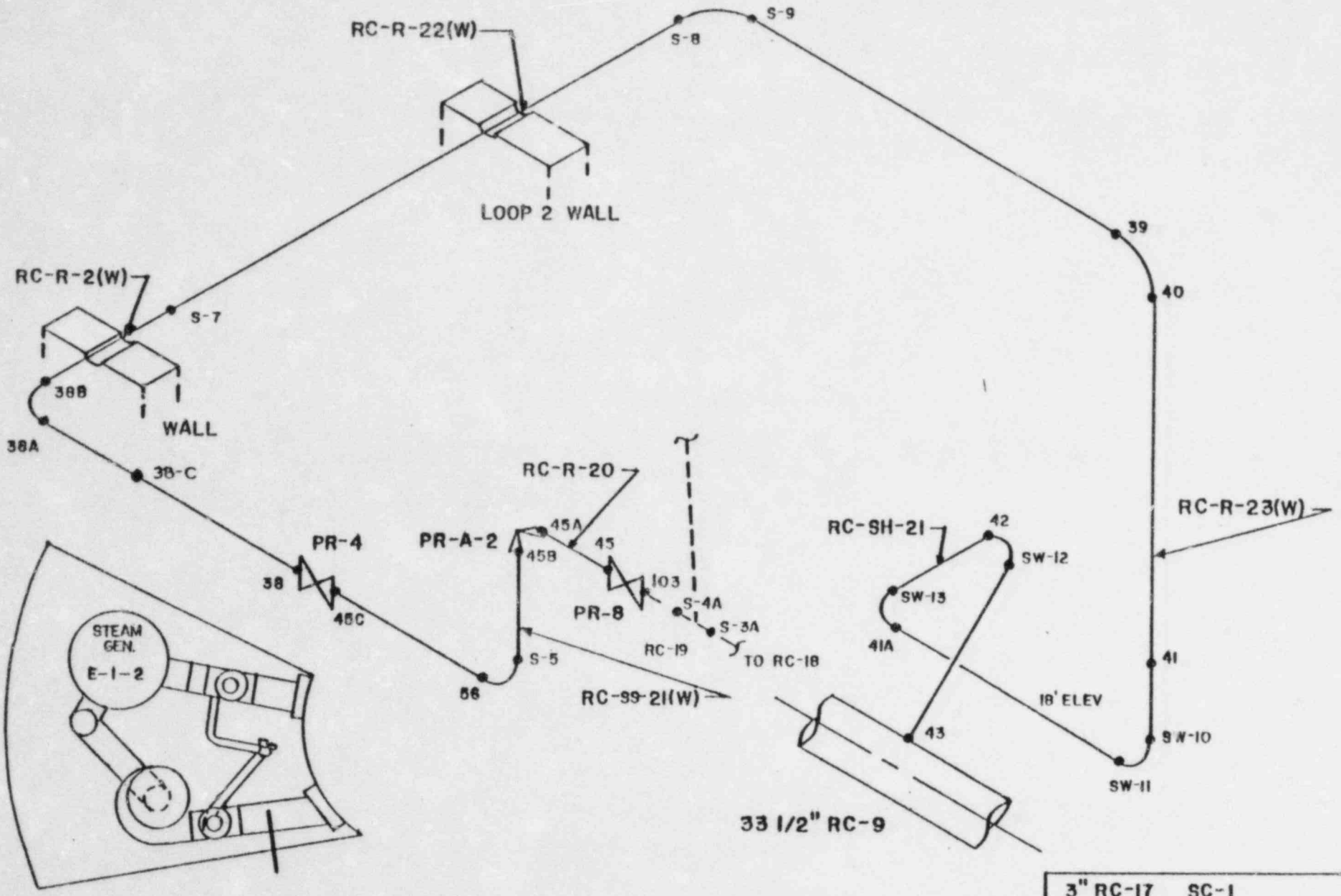
DRG. # MY-151-1-26



REF. MKS 1003A

DRG. # MY-151-1-27

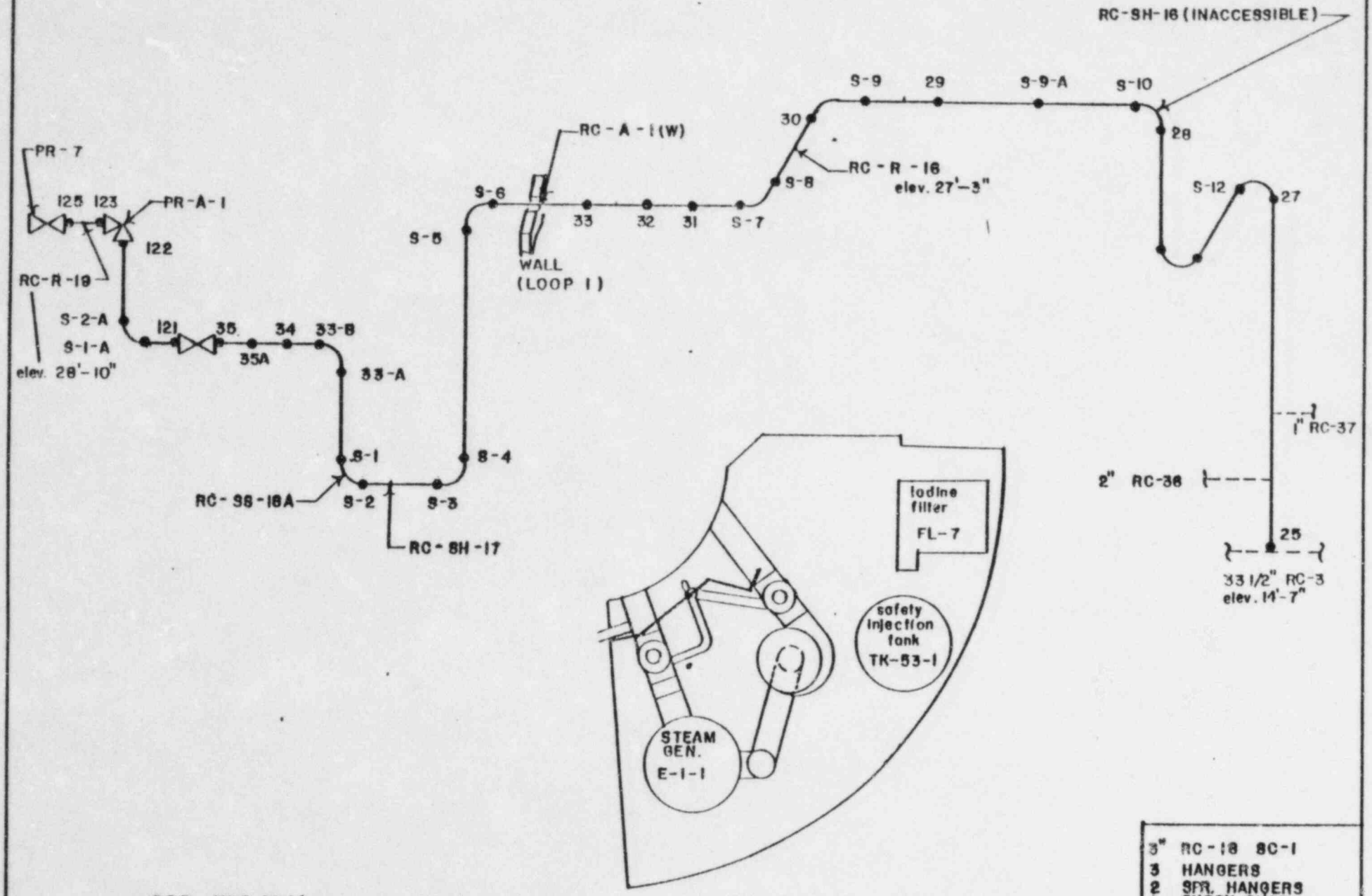
3" RC-16 SC-1
2 SPRING HANGERS
14 WELDS



3" RC-17 SC-1
23 WELDS
4 HANGERS
1 SHOCK SUPP.
1 SPRING HANGER

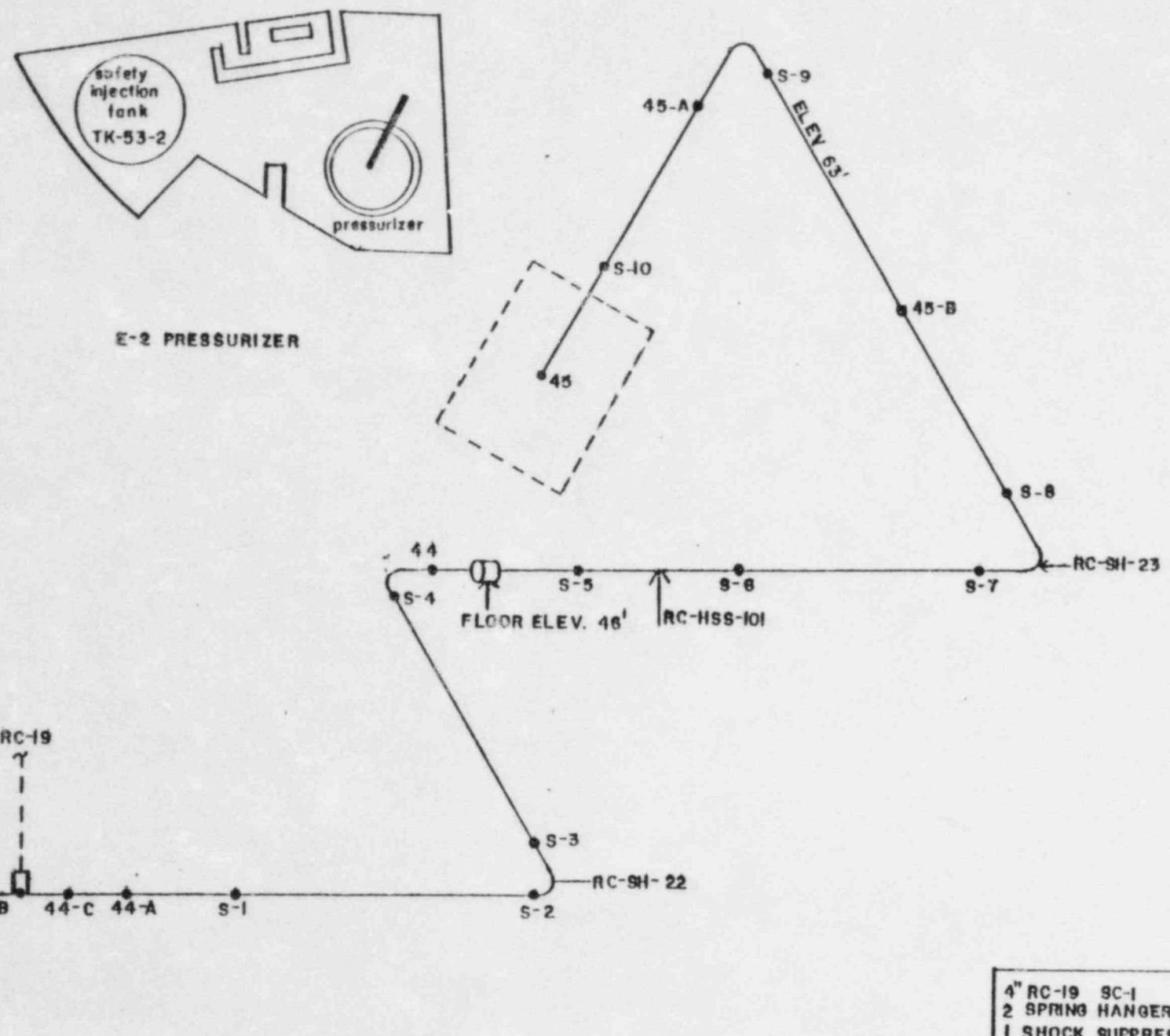
REF MKS 104A

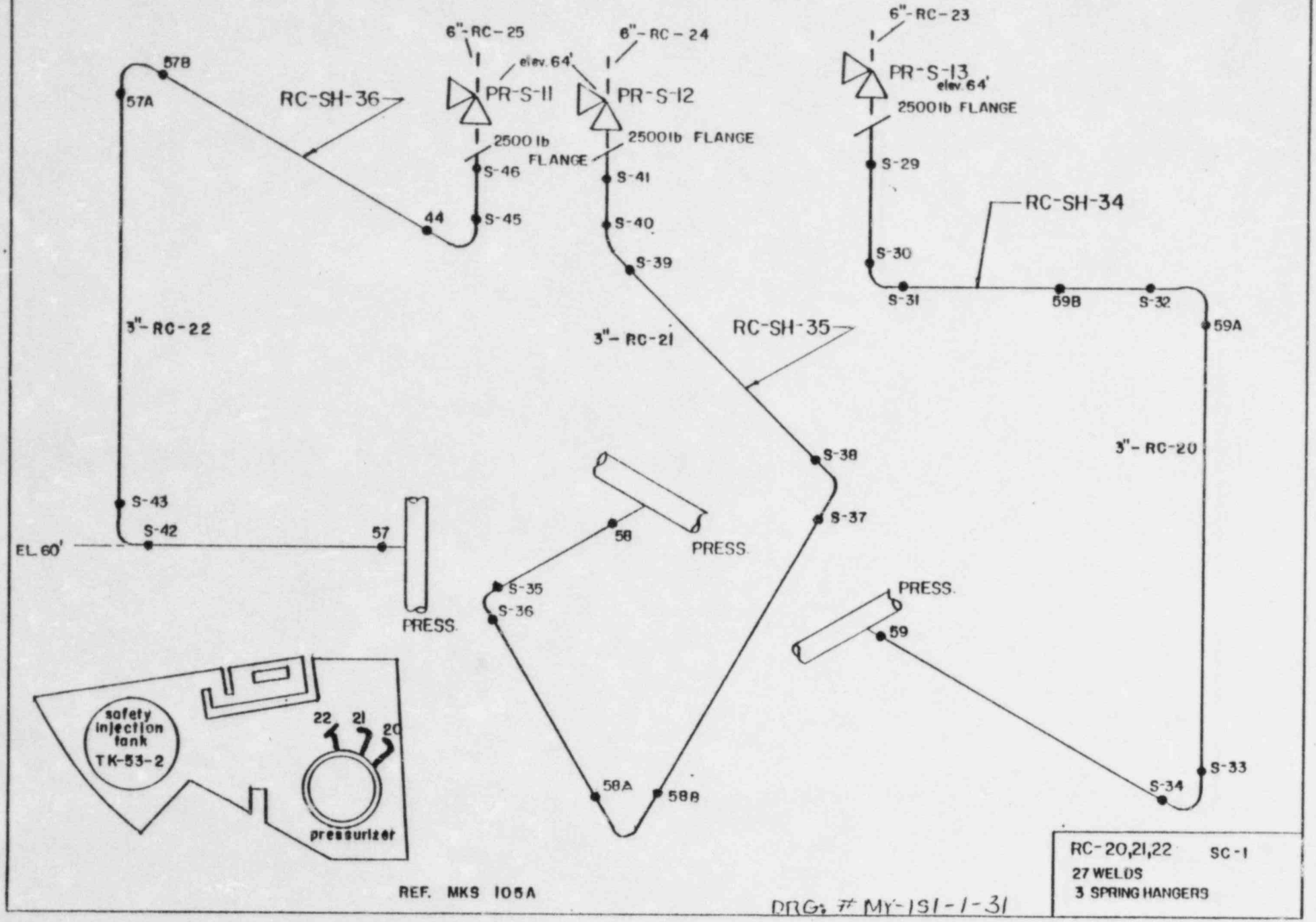
DRG. # MY-151-1-28

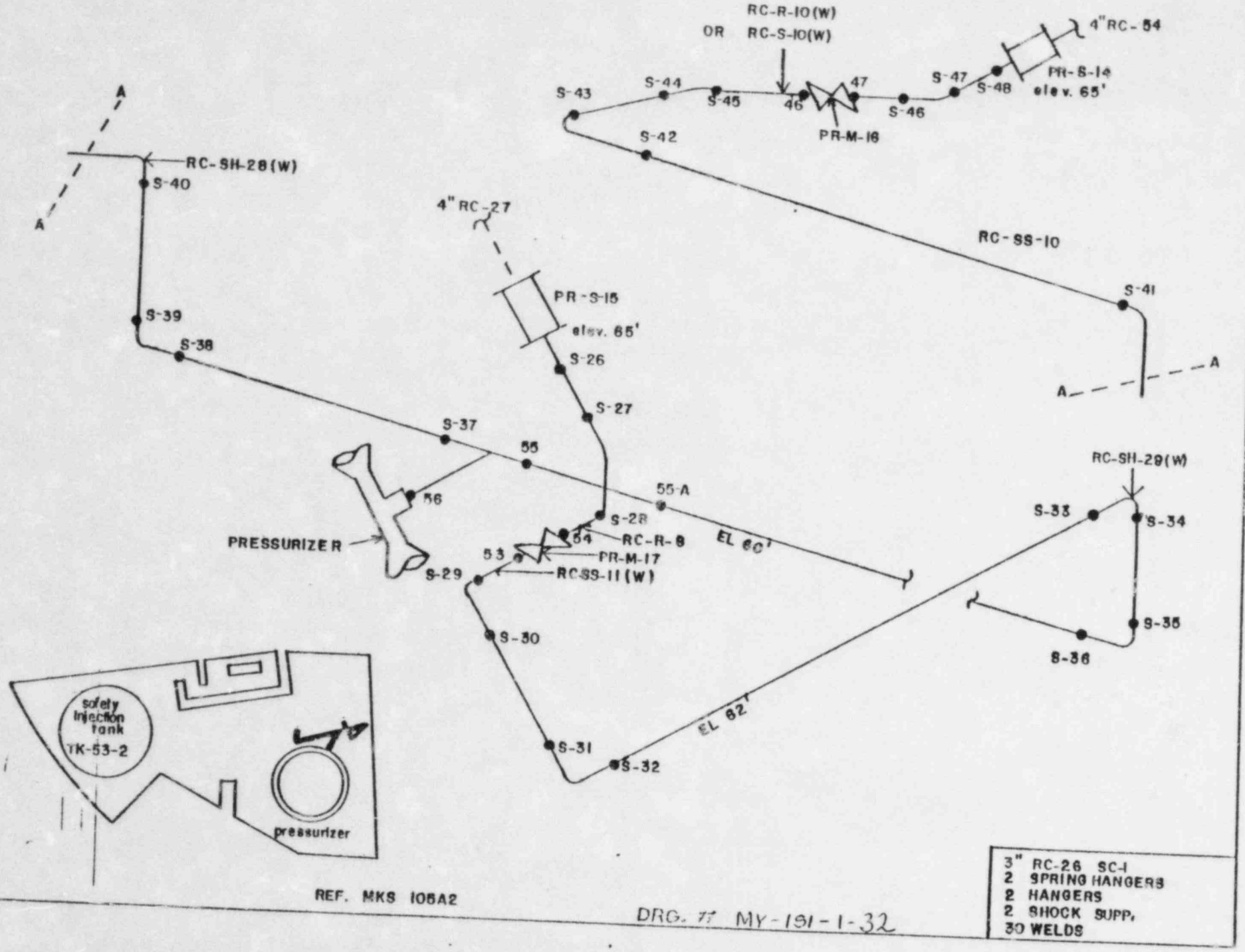


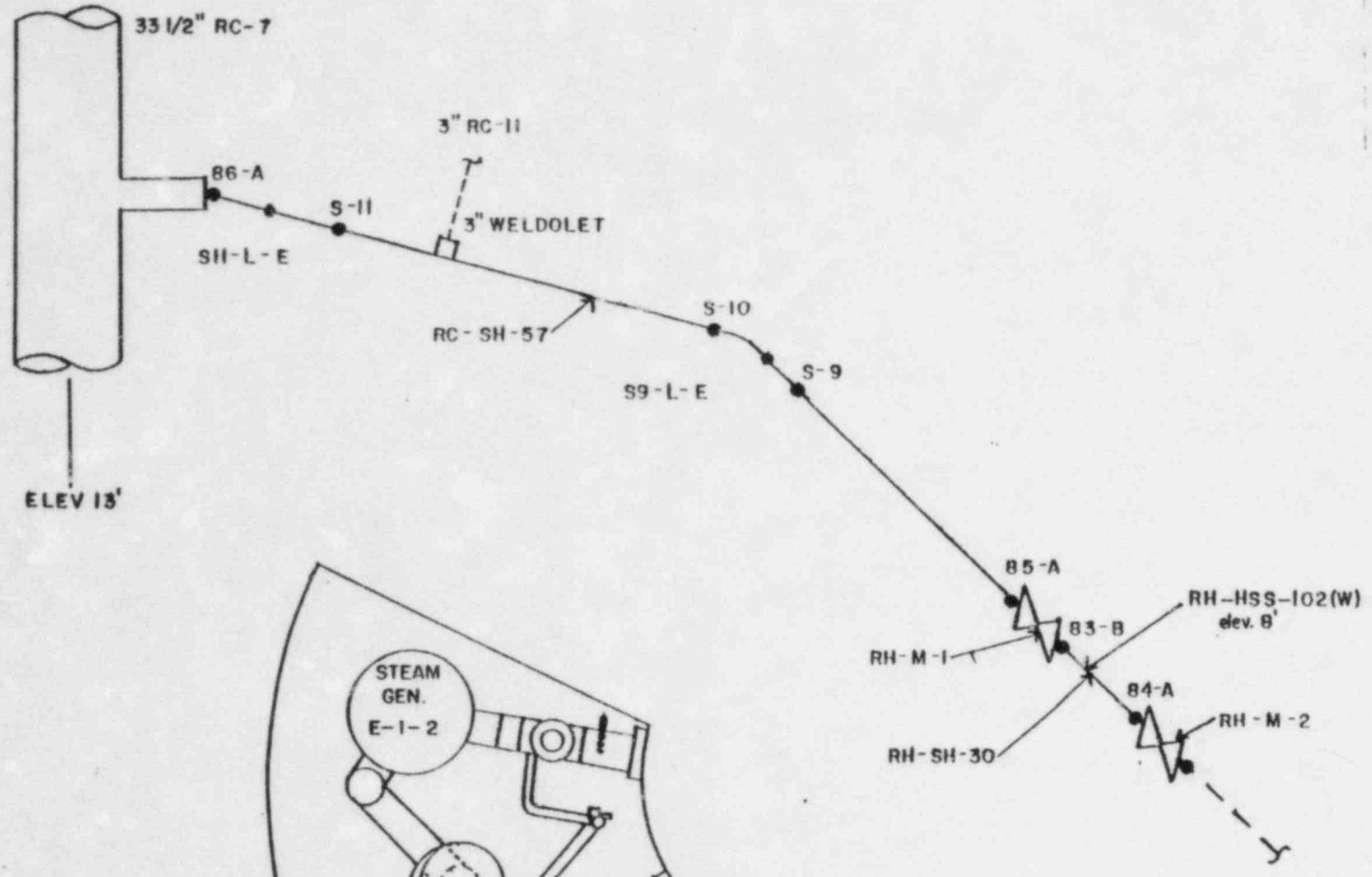
REF. MKS 104A

DRG. # MY-151-1-29


safety injection tank TK-53-2
pressurizer
E-2 PRESSURIZER
45-A
S-9
ELEV 63'
S-10
45-B
45
S-8
44
S-4
S-5
S-6
S-7
RC-SH-23
FLOOR ELEV. 46'
RC-HSS-101
2" RC-19
3" RC-17
S-4-A
ELEV 28'
44-B
44-C
44-A
S-1
S-3
RC-SH-22
S-2
S-3-A
3" RC-18
REF. MKS 104A
4" RC-19 SC-1
2 SPRING HANGERS
1 SHOCK SUPPRESSOR
19 WELDS
DRG.# MY-151-1-30


6"-RC-25
6"-RC-24
6"-RC-23
elev. 64'
PR-S-11
PR-S-12
PR-S-13
elev. 64'
2500 lb FLANGE
2500 lb FLANGE
2500 lb FLANGE
RC-SH-36
RC-SH-34
RC-SH-35
57B
57A
44
S-46
S-45
S-41
S-40
S-39
S-29
S-30
S-31
59B
S-32
59A
3"-RC-22
3"-RC-21
3"-RC-20
S-38
S-37
S-43
S-42
EL. 60'
57
58
PRESS.
S-35
S-36
PRESS.
59
S-33
S-34
58A
58B
safety injection tank TK-53-2
22
21
20
pressurizer
REF. MKS 105A
DRG. # MY-151-1-31
RC-20,21,22
SC-1
27 WELDS
3 SPRING HANGERS

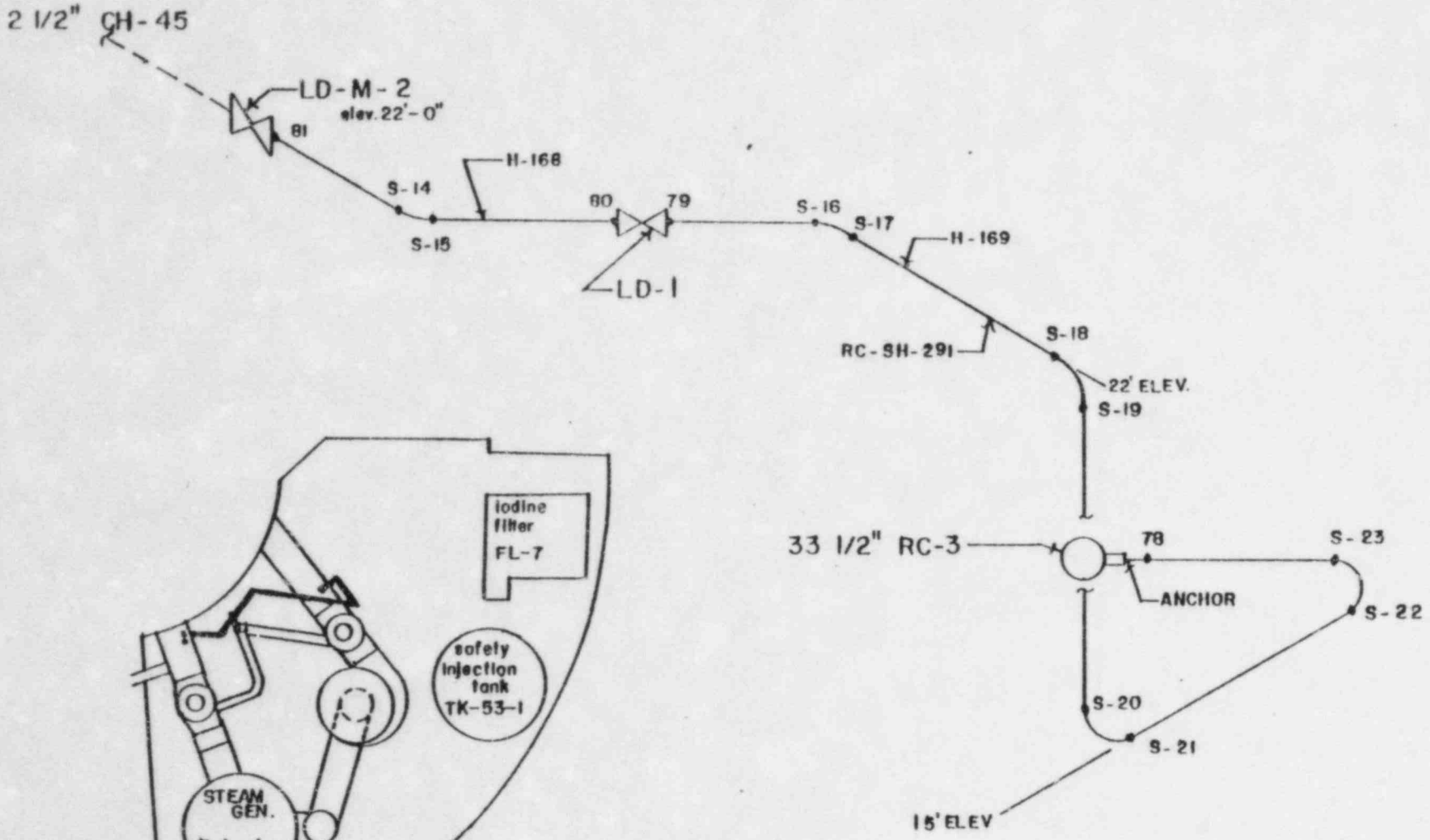

RC-R-10(W)
OR RC-S-10(W)
4"RC-54
PR-S-14
elev. 65'
S-43
S-44
S-45
46
47
PR-M-16
S-46
S-47
S-48
S-42
RC-SH-28(W)
S-40
A
A
4"RC-27
RC-SS-10
PR-S-15
elev. 65'
S-41
S-39
S-38
S-26
S-27
S-37
55
55-A
56
S-28
54
RC-R-8
PR-M-17
RCSS-11(W)
53
S-29
PRESSURIZER
EL 60'
RC-SH-29(W)
S-33
S-34
S-35
S-36
S-30
S-31
S-32
EL 82'
safety injection tank TK-53-2
pressurizer
REF. MKS 108A2
DRG. # MY-191-1-32
3" RC-26 SC-I
2 SPRING HANGERS
2 HANGERS
2 SHOCK SUPP.
30 WELDS



12"	RC-29	SC-1
2	SPRING HANGERS	
1	H. SHOCK SUPPRESSOR	
9	WELDS	

REF. MKS 1078

DRG. # MY-151-1-33



2 1/2" RC-46 SC-1

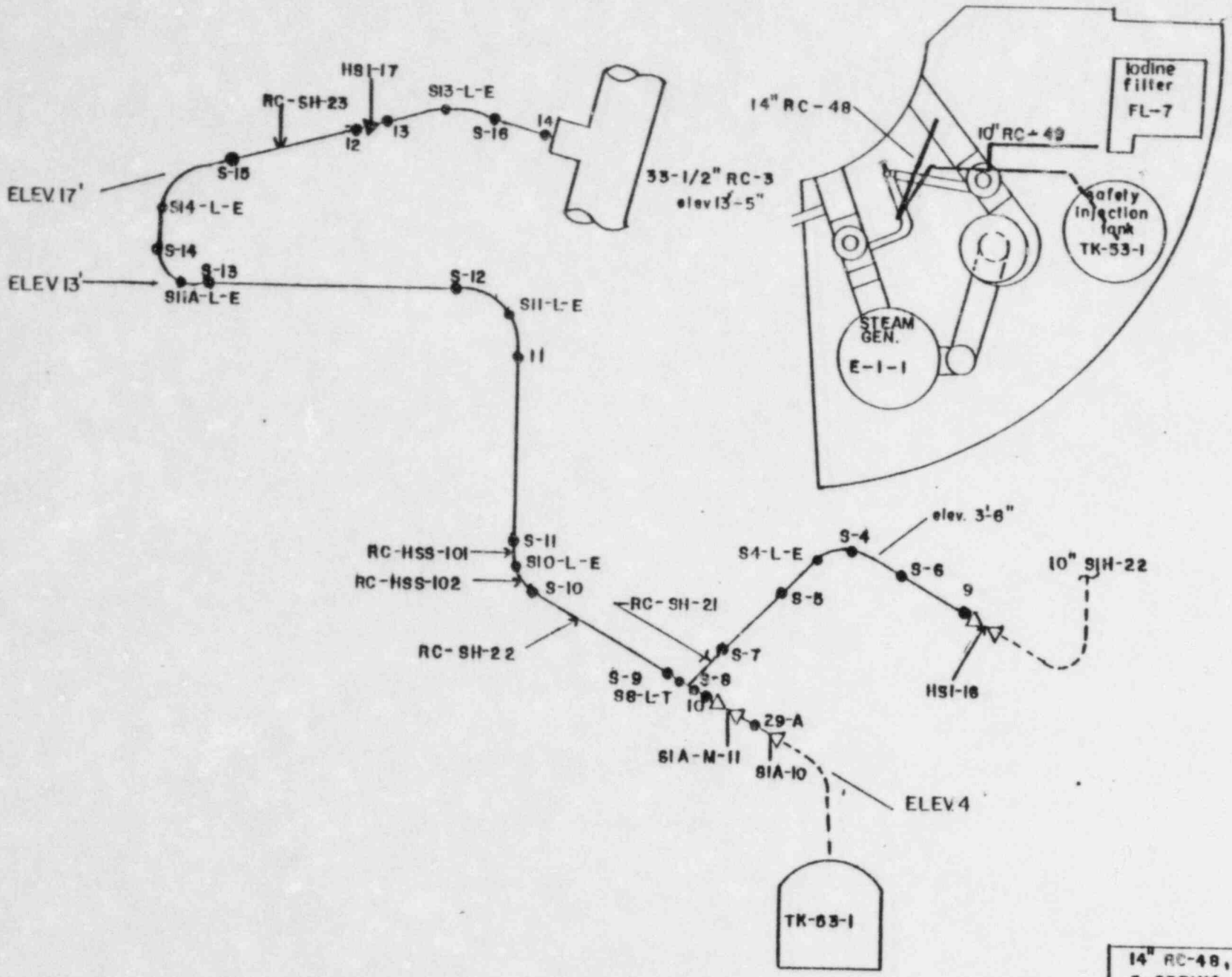
3 HANGERS

14 WELDS

1 SPRING HANGER

REF. MKS 1017A

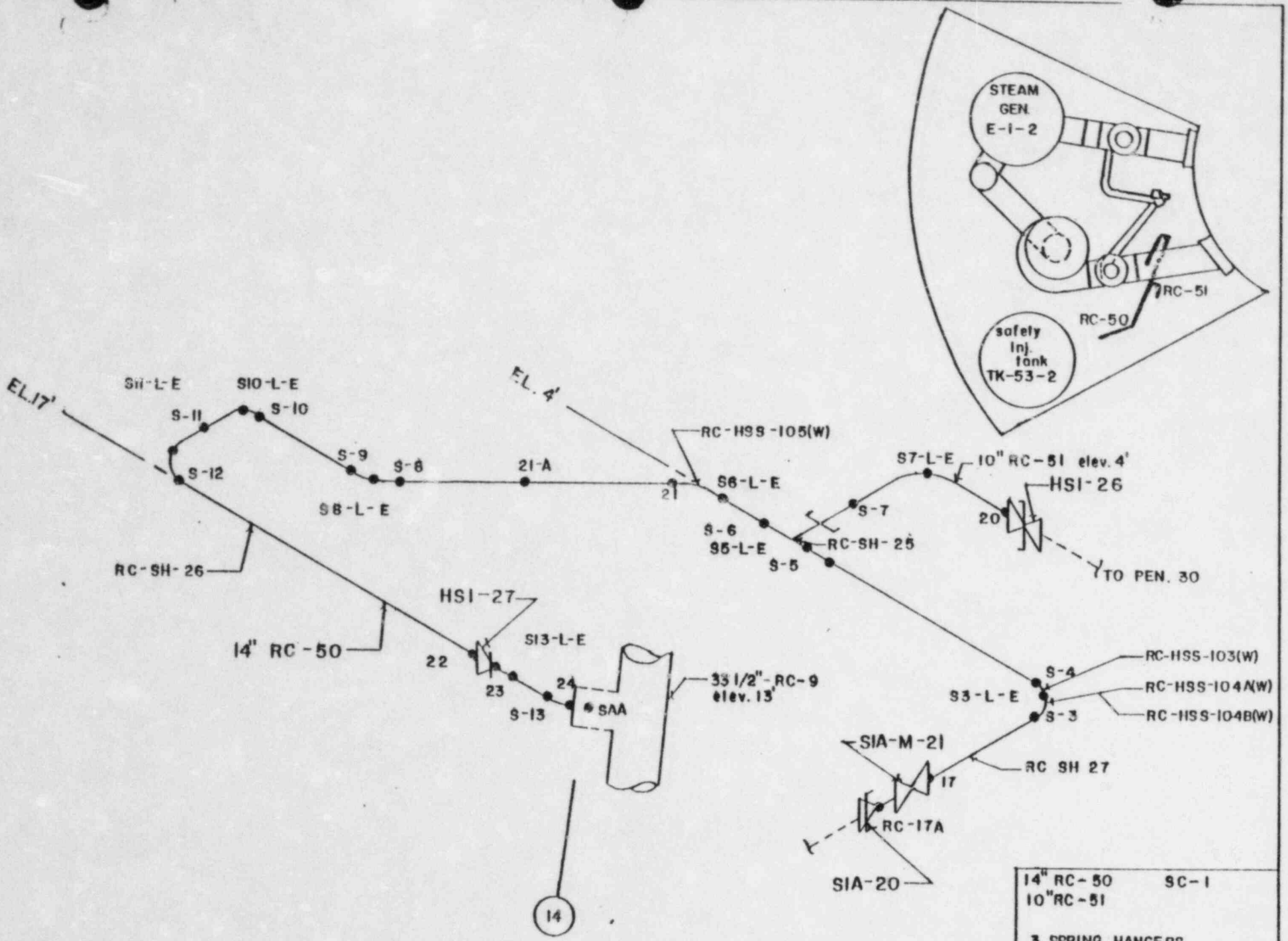
DRG. # MY-151-1-34

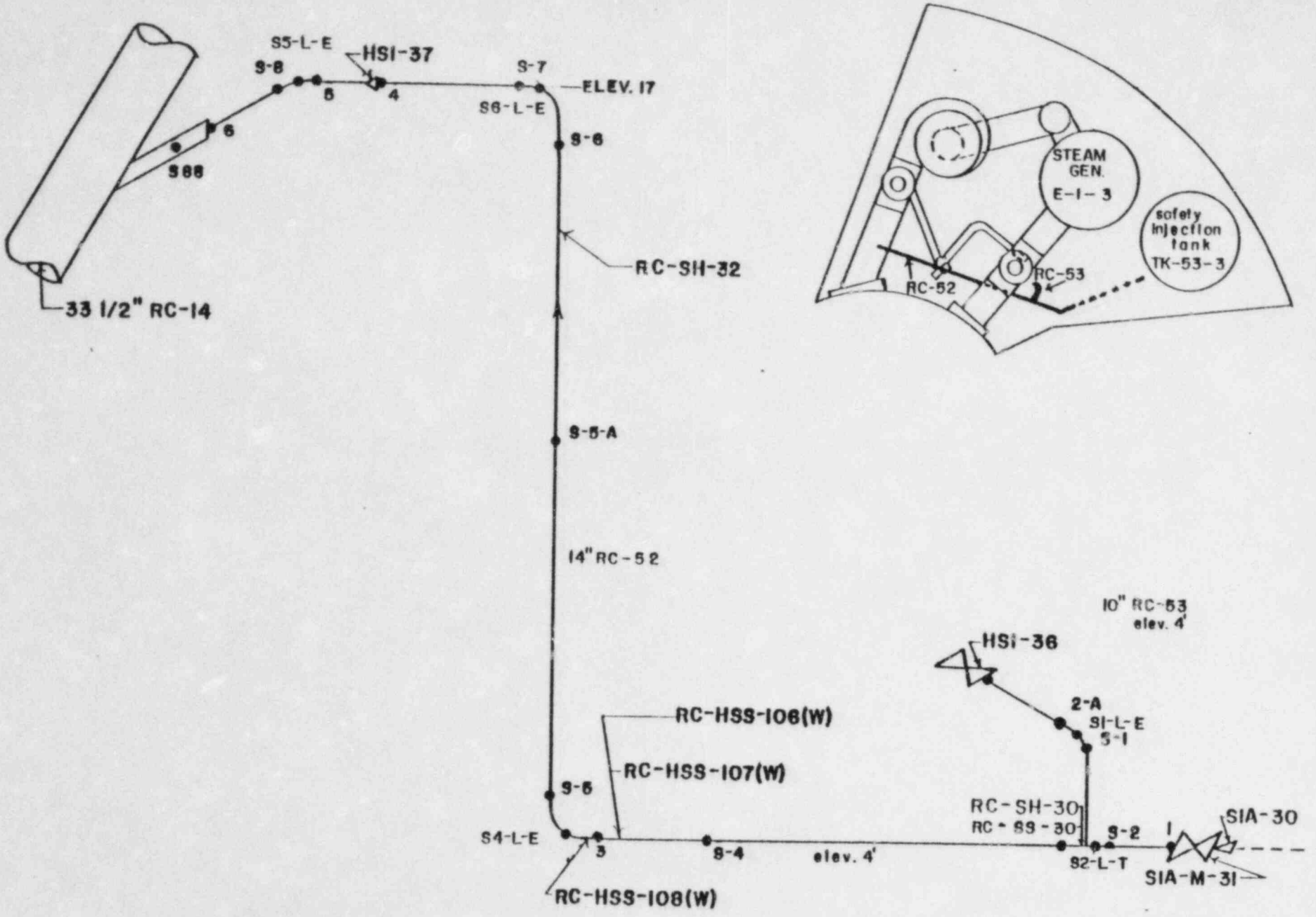


REF. MKS 1068

DRG. # MY-191-1-35

14" RC-48, 10" RC-49 SC-1
3 SPRING HANGERS
2 SHOCK SUPPRESSORS
27 WELDS

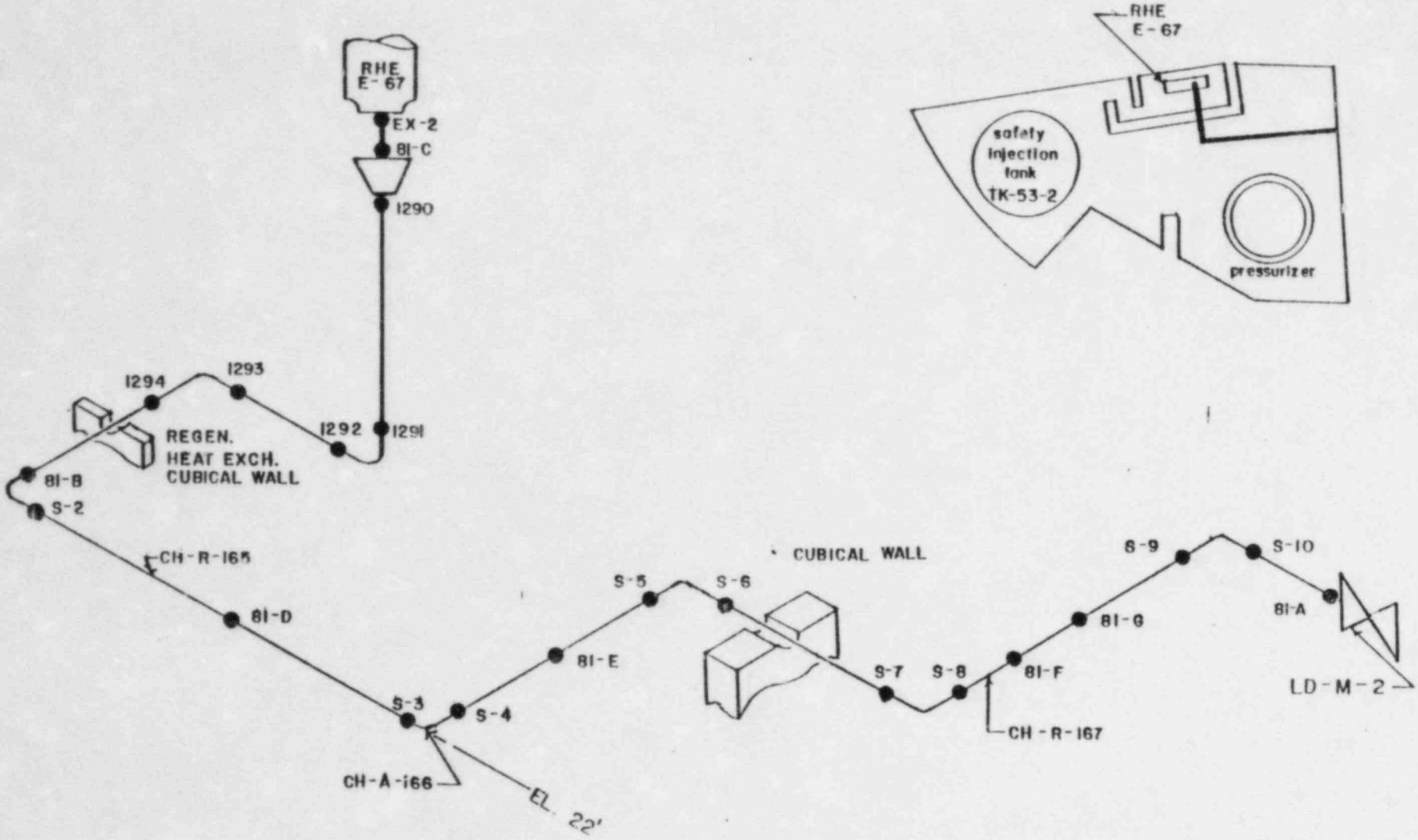

STEAM GEN. E-1-2
RC-51
RC-50
safety Inj. tank TK-53-2
EL.17'
S11-L-E
S10-L-E
S-11
S-10
S-12
S-9
S-8
S8-L-E
21-A
EL. 4'
RC-HSS-105(W)
21
S6-L-E
S7-L-E
10" RC-51 elev. 4'
HSI-26
20
S-7
S-6
S5-L-E
RC-SH-25
S-5
TO PEN. 30
RC-SH-26
HSI-27
14" RC-50
22
S13-L-E
23
24
S-13
SAA
33 1/2"-RC-9 elev. 13'
RC-HSS-103(W)
S-4
S3-L-E
RC-HSS-104A(W)
RC-HSS-104B(W)
S-3
SIA-M-21
RC SH 27
17
RC-17A
SIA-20
14
14" RC-50 SC-1
10"RC-51
3 SPRING HANGERS
4 SHOCK SUPPRESSORS
28 WELDS
REF. MKS 1066
DRG. # MY-151-1-36



REF. MKS 1060

DRG. # MY-151-1-37

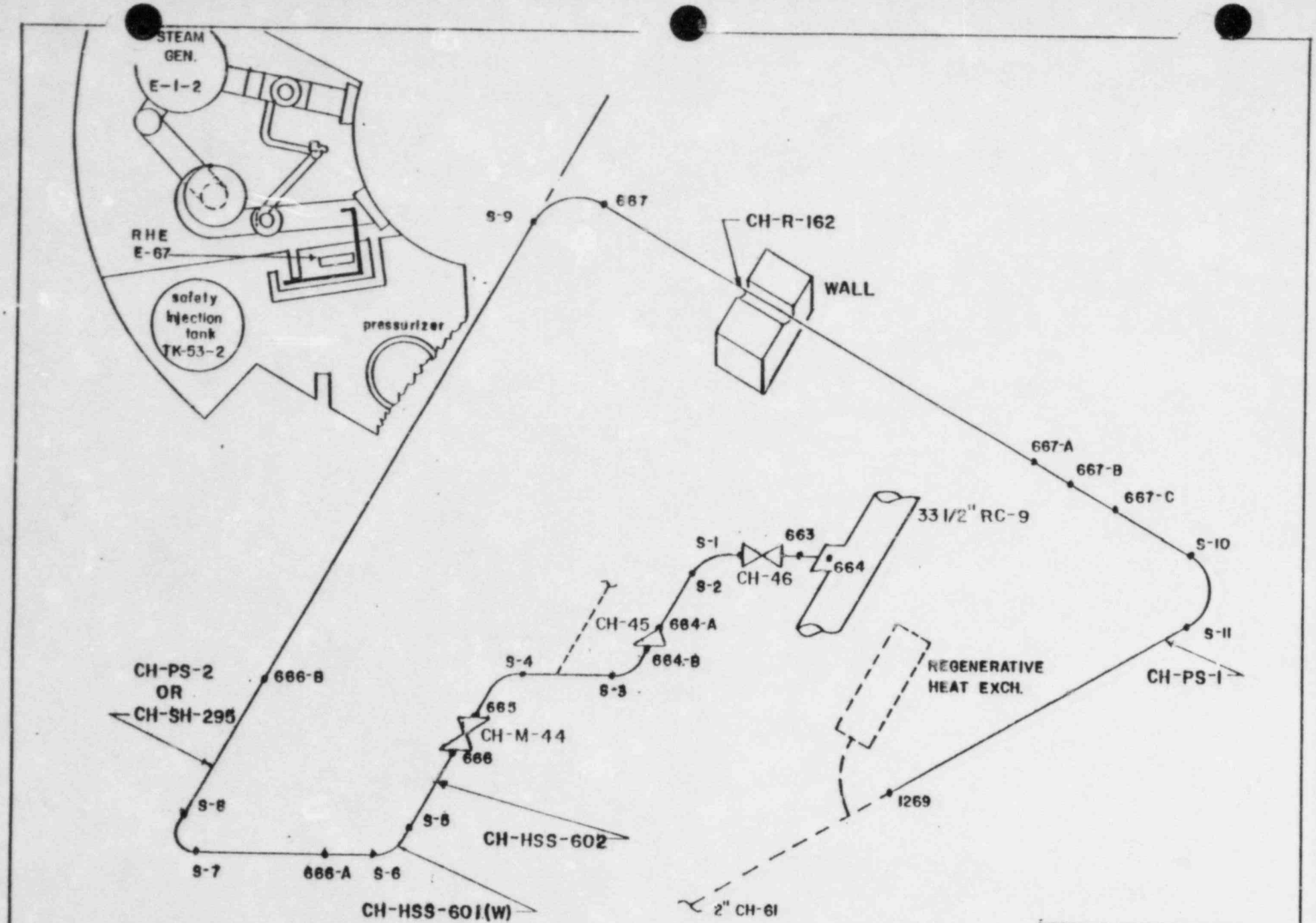
14"RC-52,10"RC-53
SC-1, 4 HSS, 21 WELDS
2 SPRING HANGERS



DRG. # MY-151-1-38

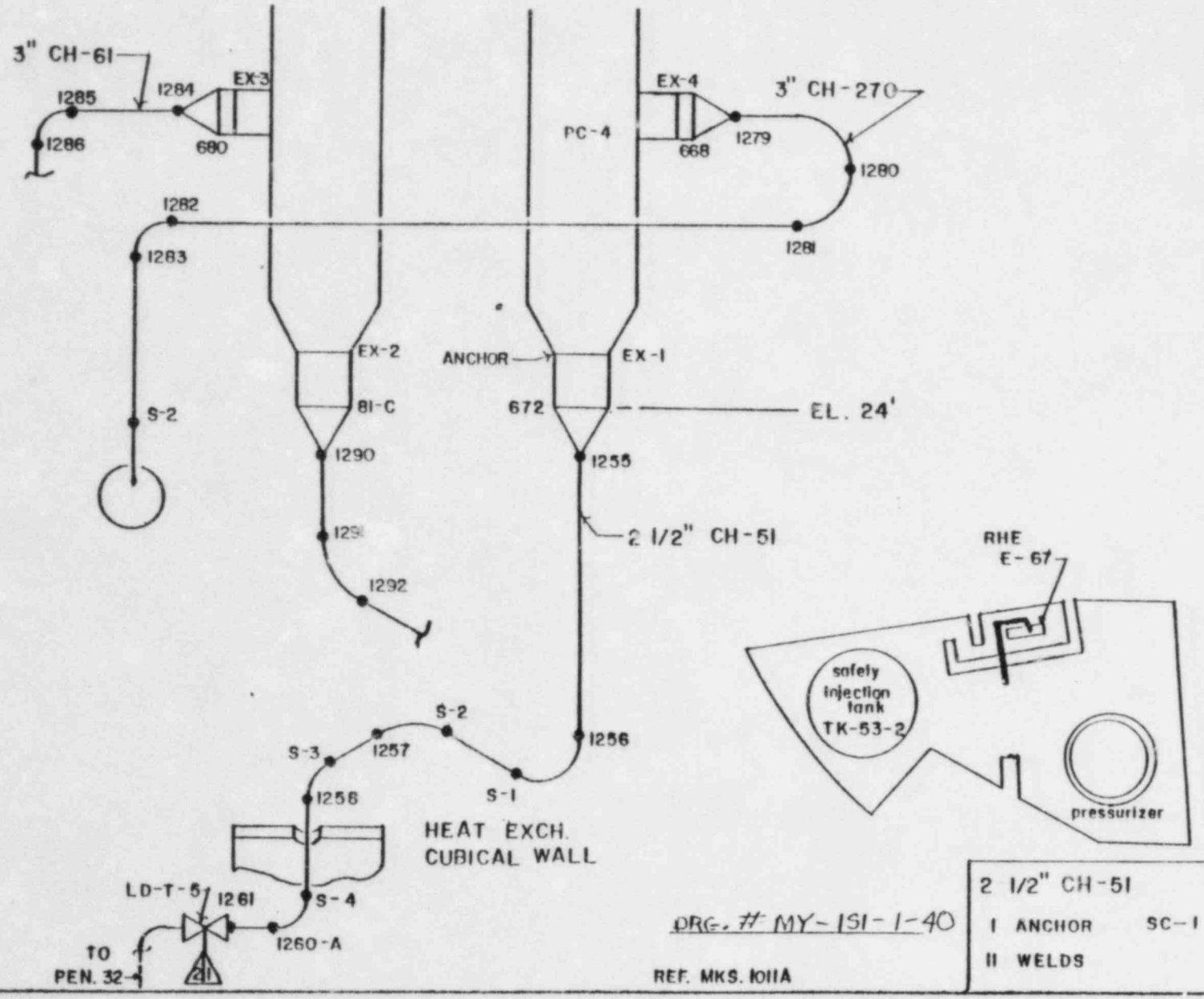
REF. MKS 1016A & 1017A

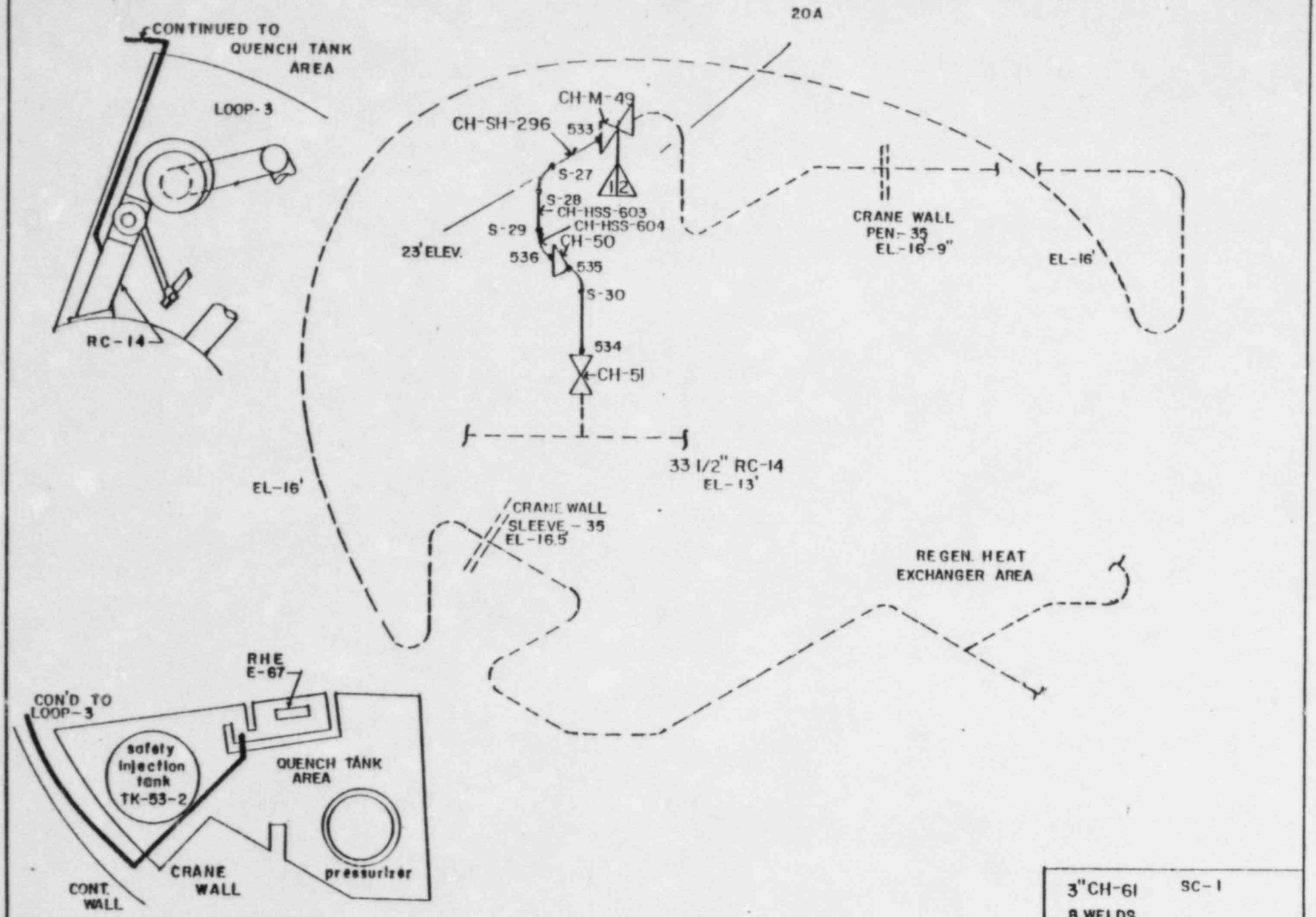
2 1/2" CH-45
22 WELDS SC-1
3 HANGERS



3" CH-46 SC-1
24 WELDS, 2 HSS
1 S. HANGER, 2 HANGERS

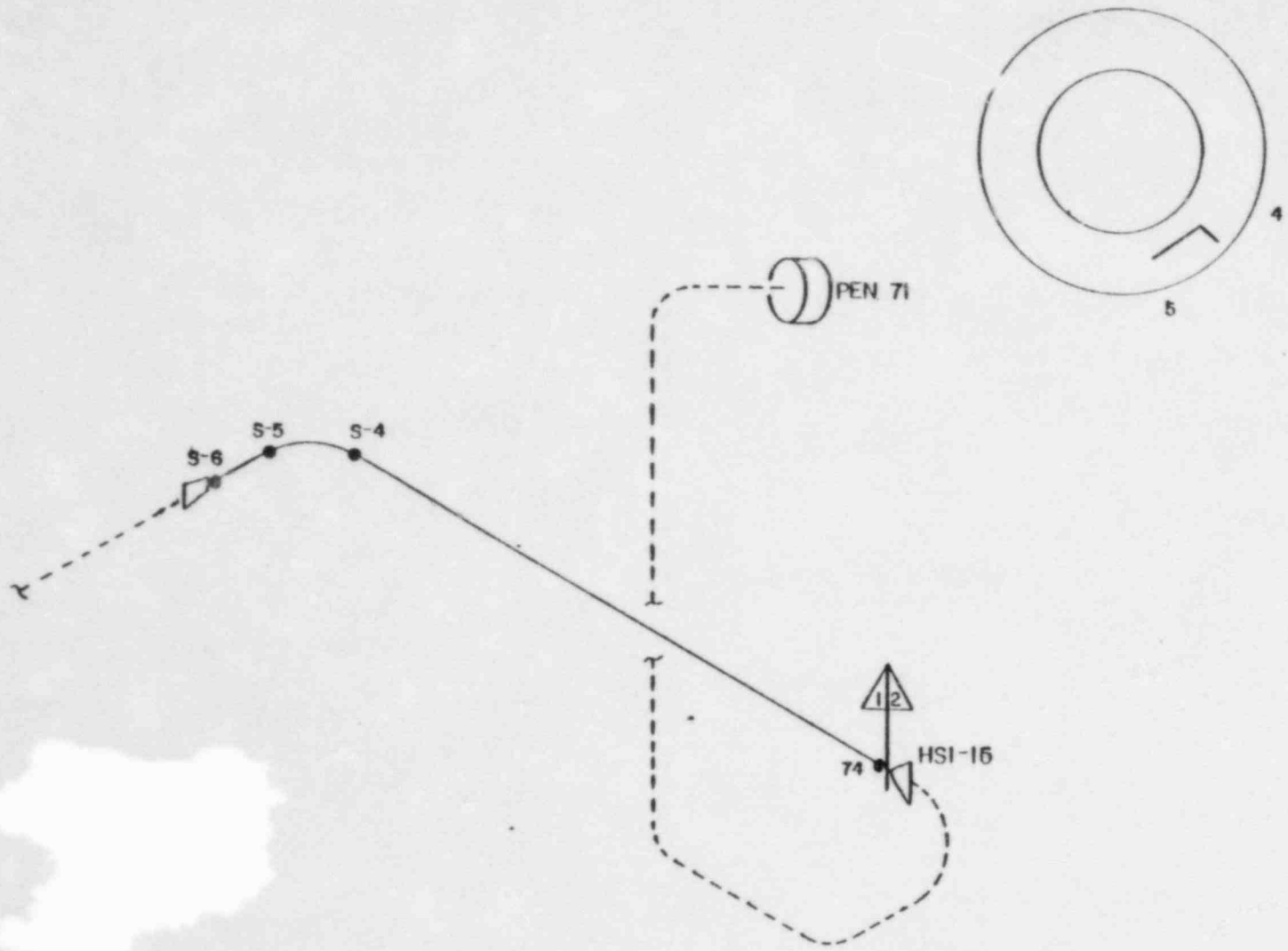
DRG. # MY-151-1-39


3" CH-61
1285
1284
EX-3
1286
680
EX-4
3" CH-270
PC-4
668
1279
1280
1282
1281
1283
EX-2
ANCHOR
EX-1
S-2
81-C
672
EL. 24'
1290
1255
2 1/2" CH-51
1292
RHE
E-67
safety injection tank
TK-53-2
pressurizer
S-2
1256
S-3
1257
S-1
1258
HEAT EXCH.
CUBICAL WALL
LD-T-5
1261
S-4
1260-A
TO
PEN. 32
2 1/2" CH-51
1 ANCHOR
SC-1
11 WELDS
ORG. # MY-151-1-40
REF. MKS. 1011A



DRG. # MY-151-1-41

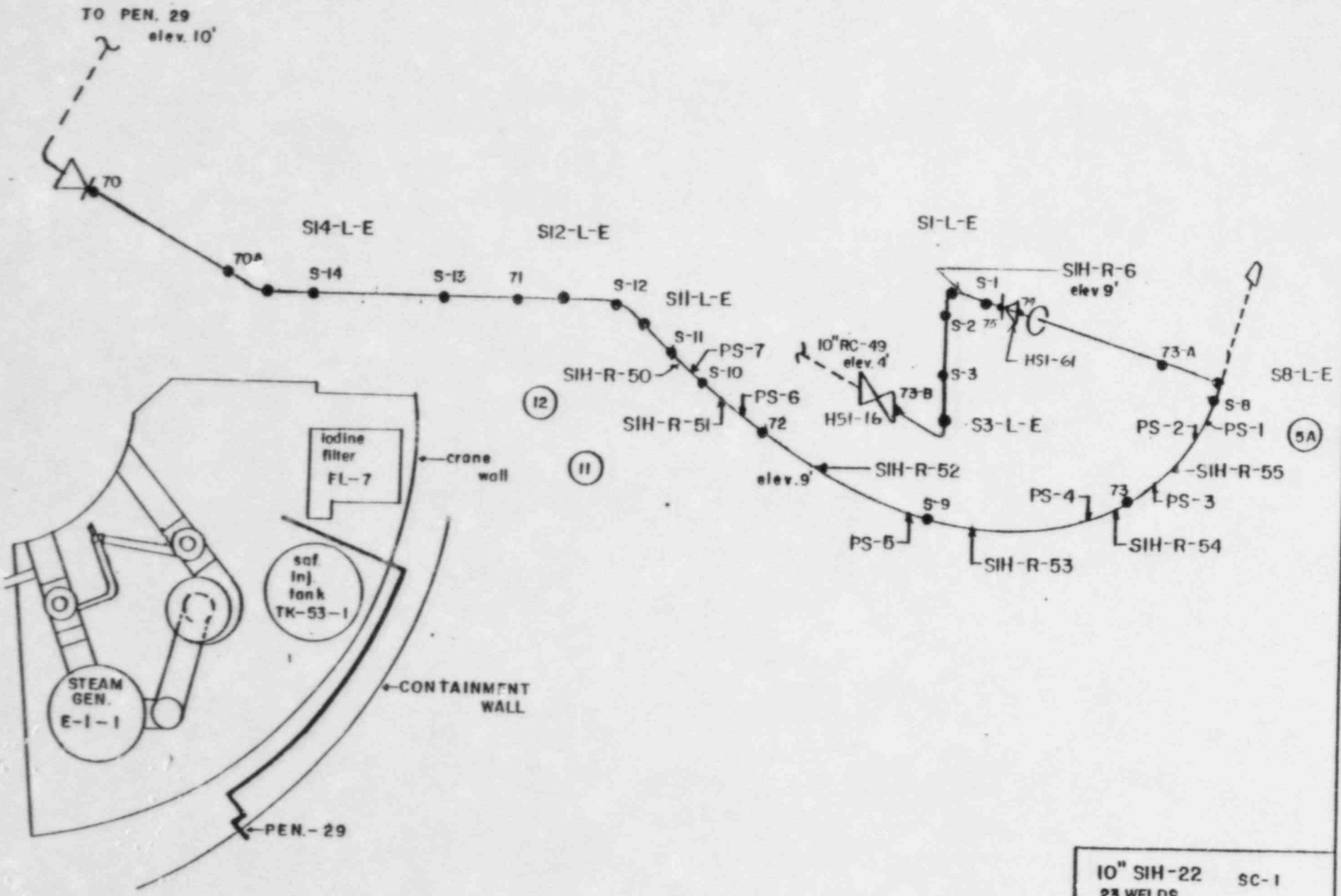
3"CH-61 SC-1
8 WELDS
1 SPRING HA SR
2 SHOCK SUP.



4" SIH-20
4 WELDS
0 HANGERS

DRG. # MY-151-1-42

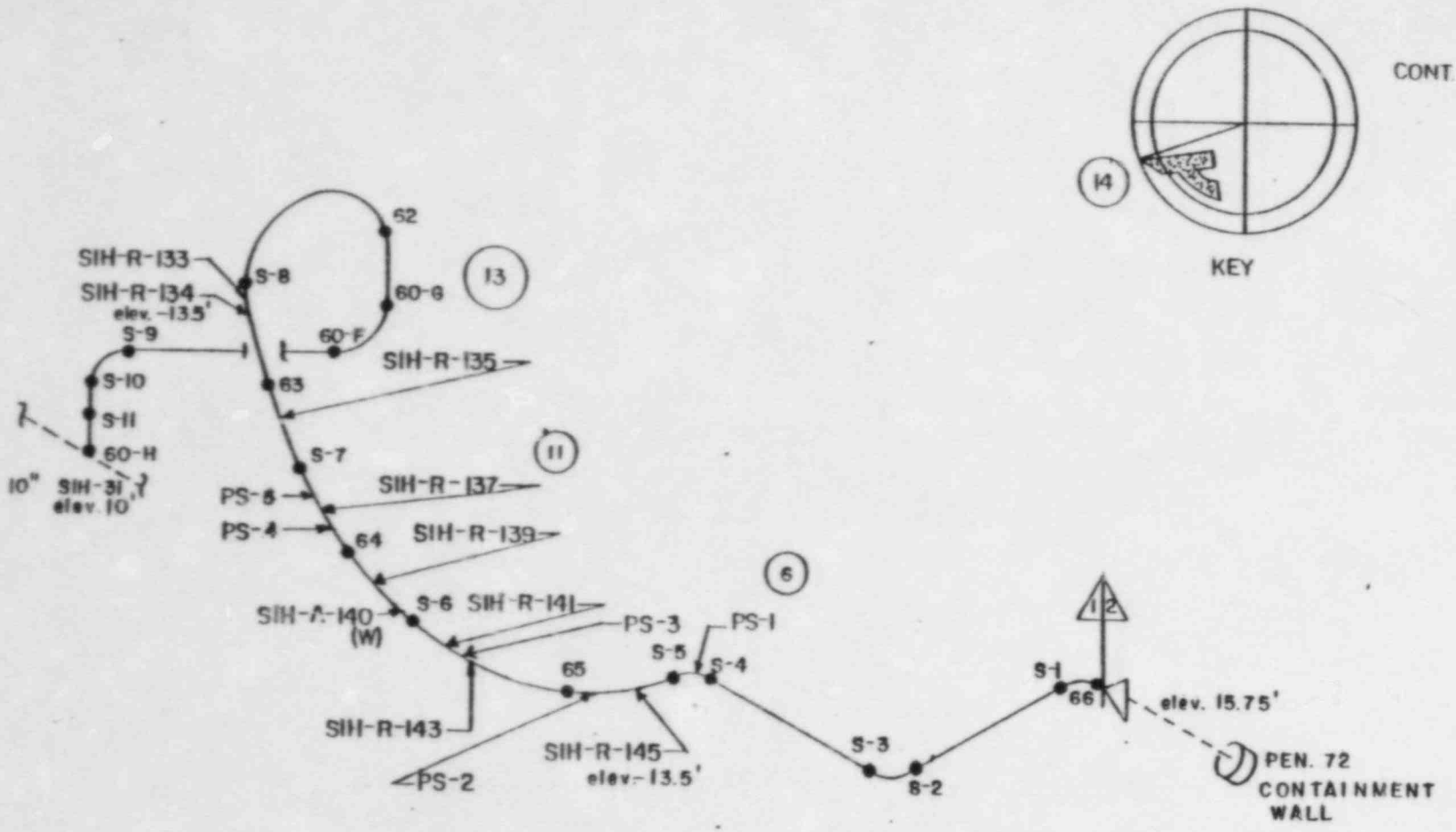
REF. MKS 1068I



DRG. # MY-ISI-1-43

REF. MKS 10681 & 10682

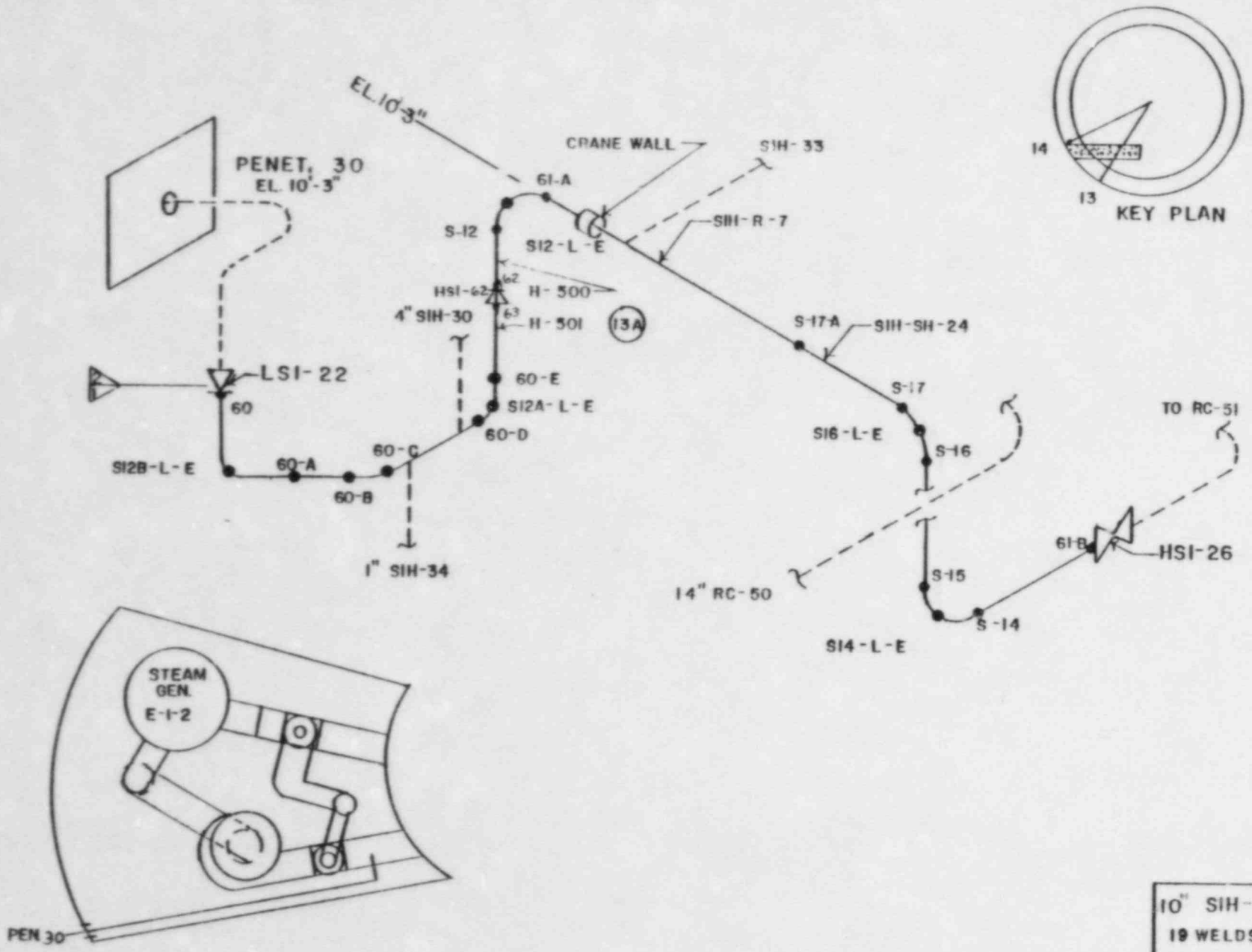
10" SIH-22 SC-1
23 WELDS
14 HANGERS



DRG. # MY-191-1-44

REF. MKS 106C2

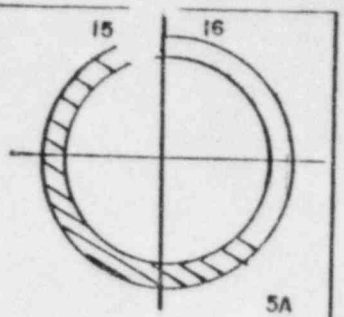
4" SIH-30 SC-1
19 WELDS
14 HANGERS

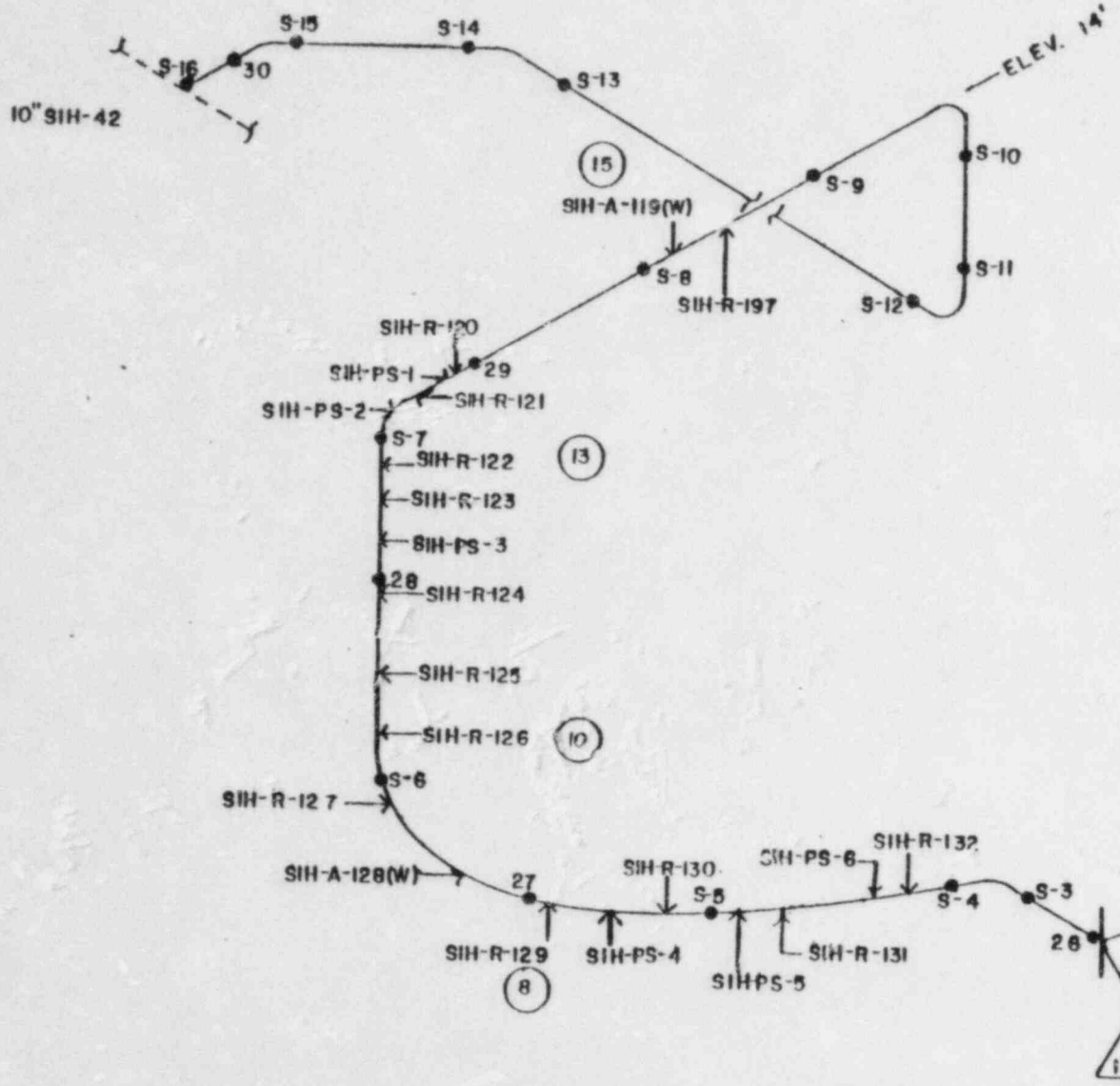


10" SIH-31 SC-1
19 WELDS
3 HANGERS
1 SPRING HANGER

DRG. # MY-151-1-45

REF. MKS 106C1

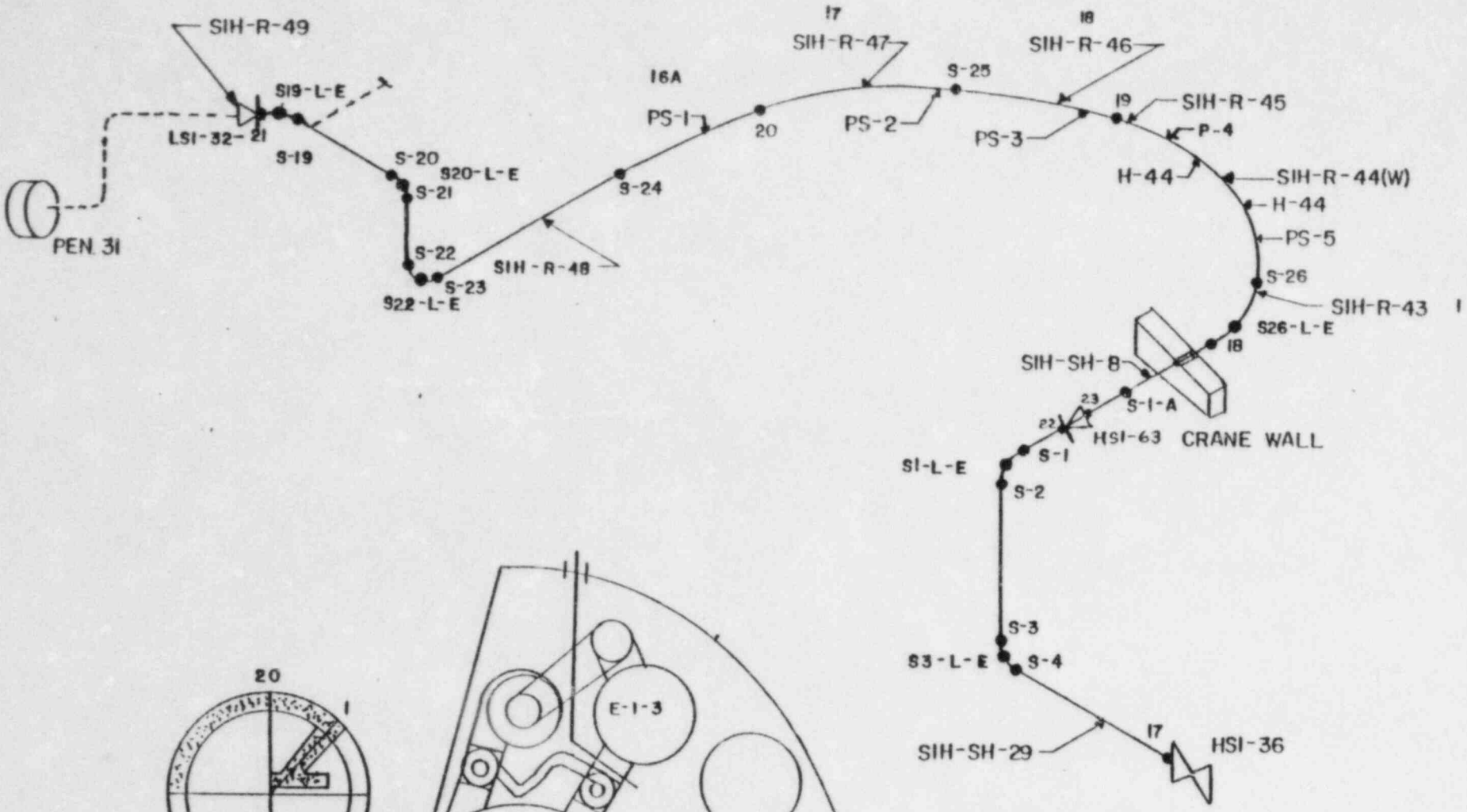




4" SIH-41 SC-1
19 WELDS
21 HANGERS

DRG. # MY-151-1-46

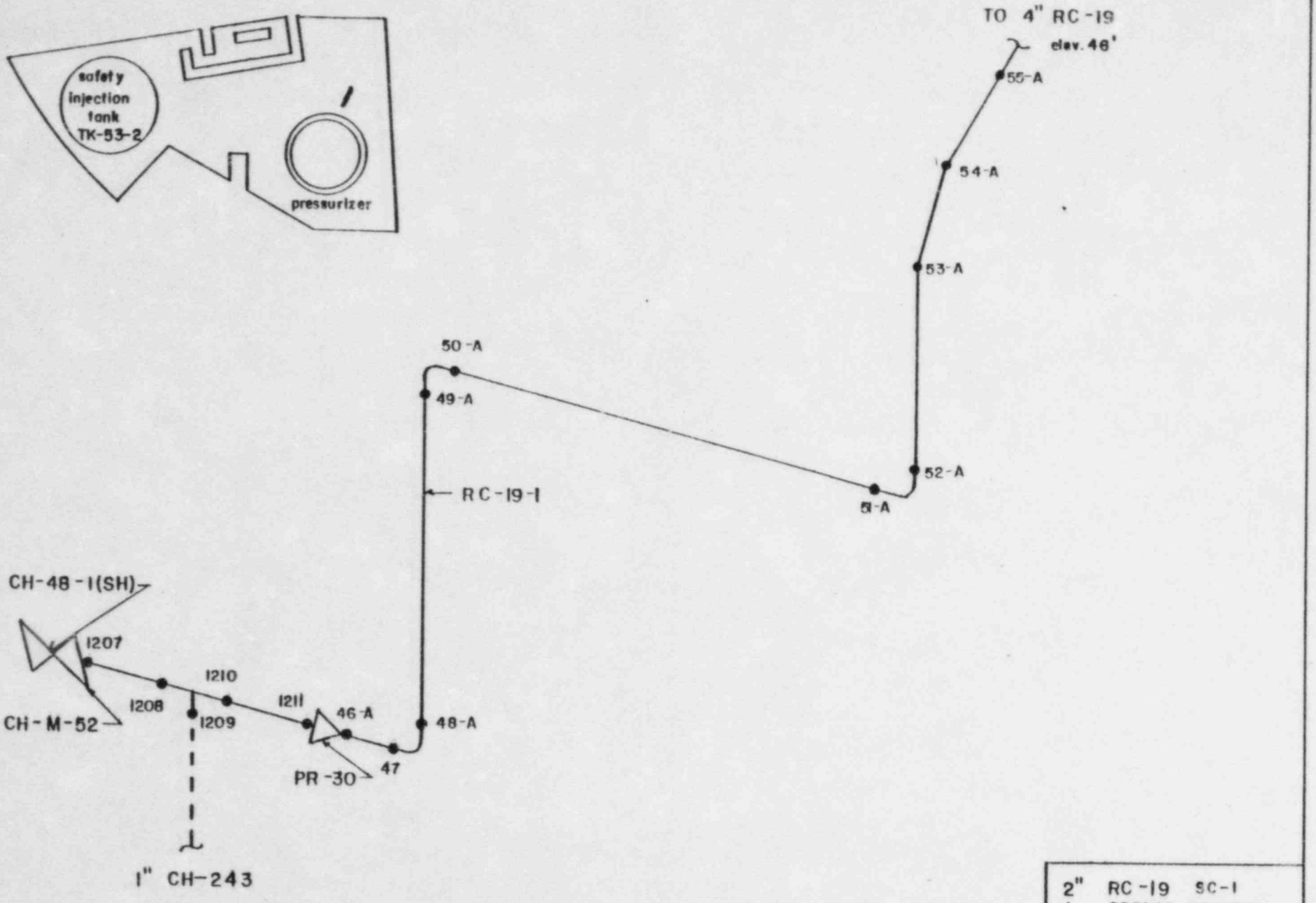
REF. MKS 1001A1+2

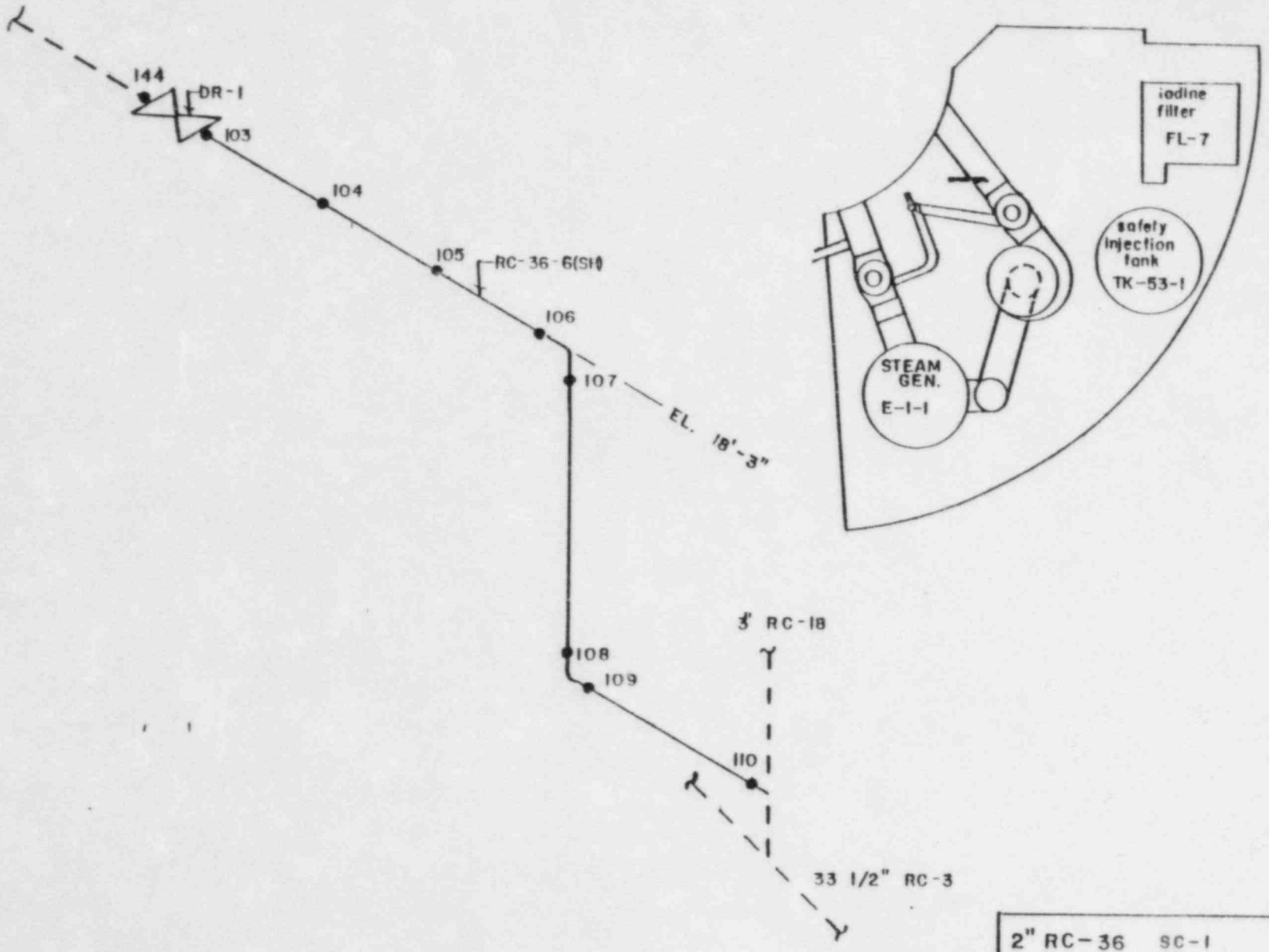


10" SIH-42
26 WELDS, 14 HANGERS
2 SPRING HANGERS

DRG. # MY-ISI-1-47

REF. MKS 1001A & 106D

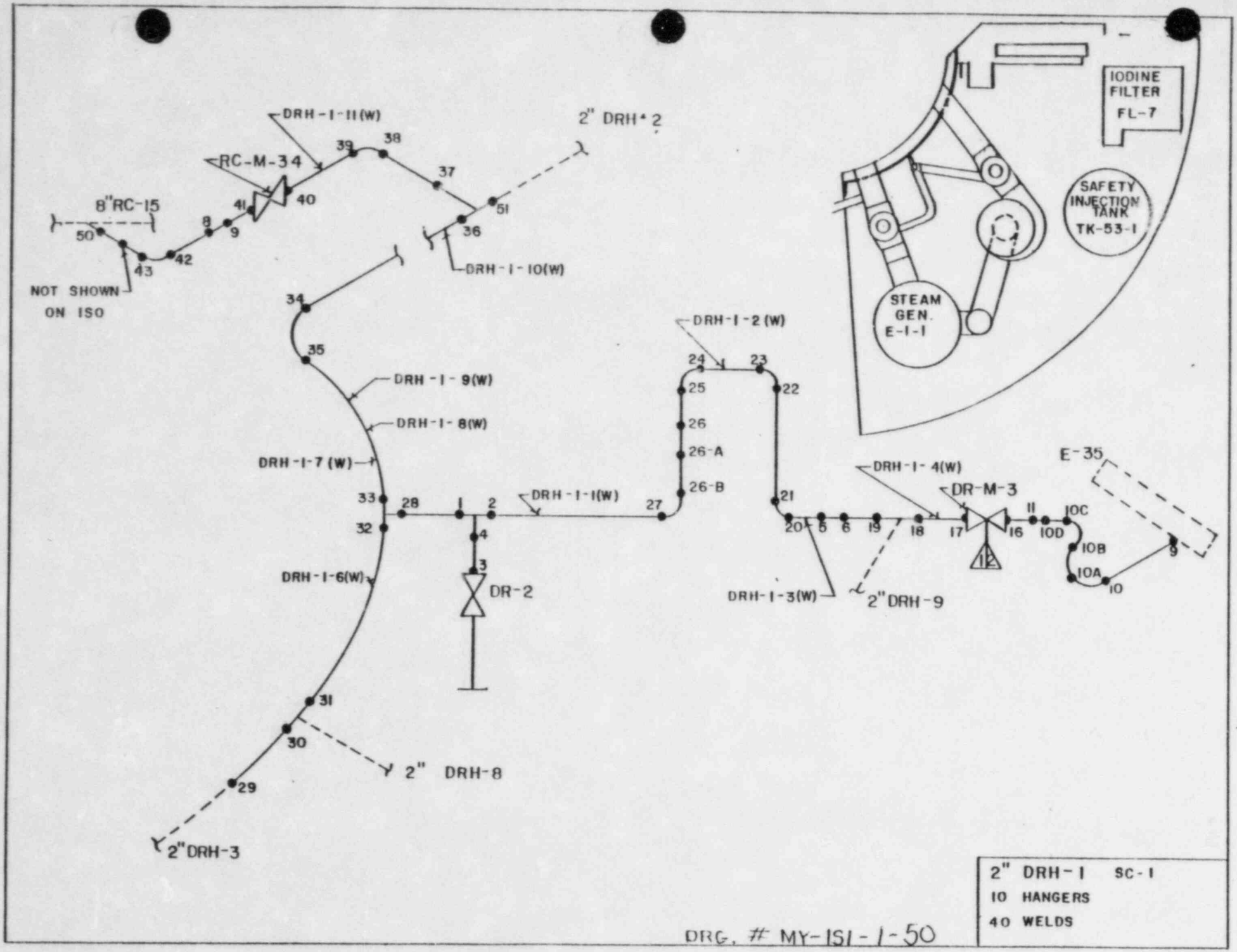

safety injection tank TK-53-2
pressurizer
TO 4" RC-19
elev. 46'
55-A
54-A
53-A
52-A
51-A
50-A
49-A
RC-19-1
48-A
47
46-A
PR-30
CH-48-1(SH)
1207
1208
1209
1210
1211
CH-M-52
1" CH-243
REF MKS 104A
DRG# MY-151-1-48
2" RC-19 SC-1
1 SPRING HANGER
1 HANGER
15 WELDS

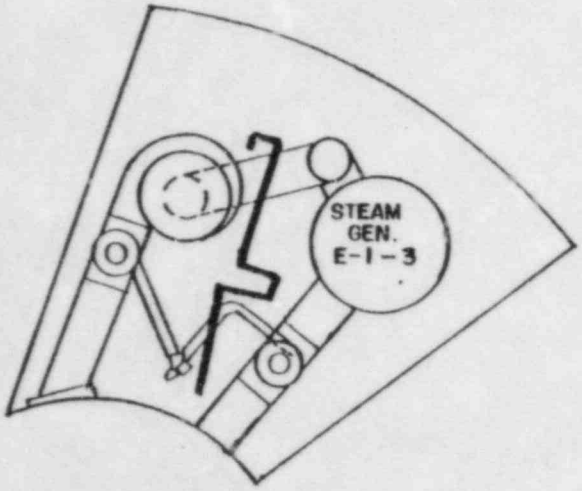


2" RC-36 SC-1
1 SPRING HANGER
8 WELDS

REF MKS 104A

DRG. # MY-151-1-49


IODINE FILTER FL-7
SAFETY INJECTION TANK TK-53-1
STEAM GEN. E-1-1
DRH-1-11(W)
2" DRH-2
RC-M-34
8"RC-15
NOT SHOWN ON ISO
DRH-1-10(W)
DRH-1-2(W)
DRH-1-9(W)
DRH-1-8(W)
DRH-1-7(W)
DRH-1-1(W)
DRH-1-4(W)
DR-M-3
E-35
DR-2
DRH-1-6(W)
DRH-1-3(W)
2"DRH-9
2" DRH-8
2"DRH-3
2" DRH-1 SC-1
10 HANGERS
40 WELDS
DRG. # MY-ISI-1-50



33-1/2" RC-13

68

67

66

65

64

RC-36

63

62

61

60

DRH-2-5(W) (SH)

DRH-2-4(W)

59

58

57

56

DRH-2-3(W)

52

53

54

55

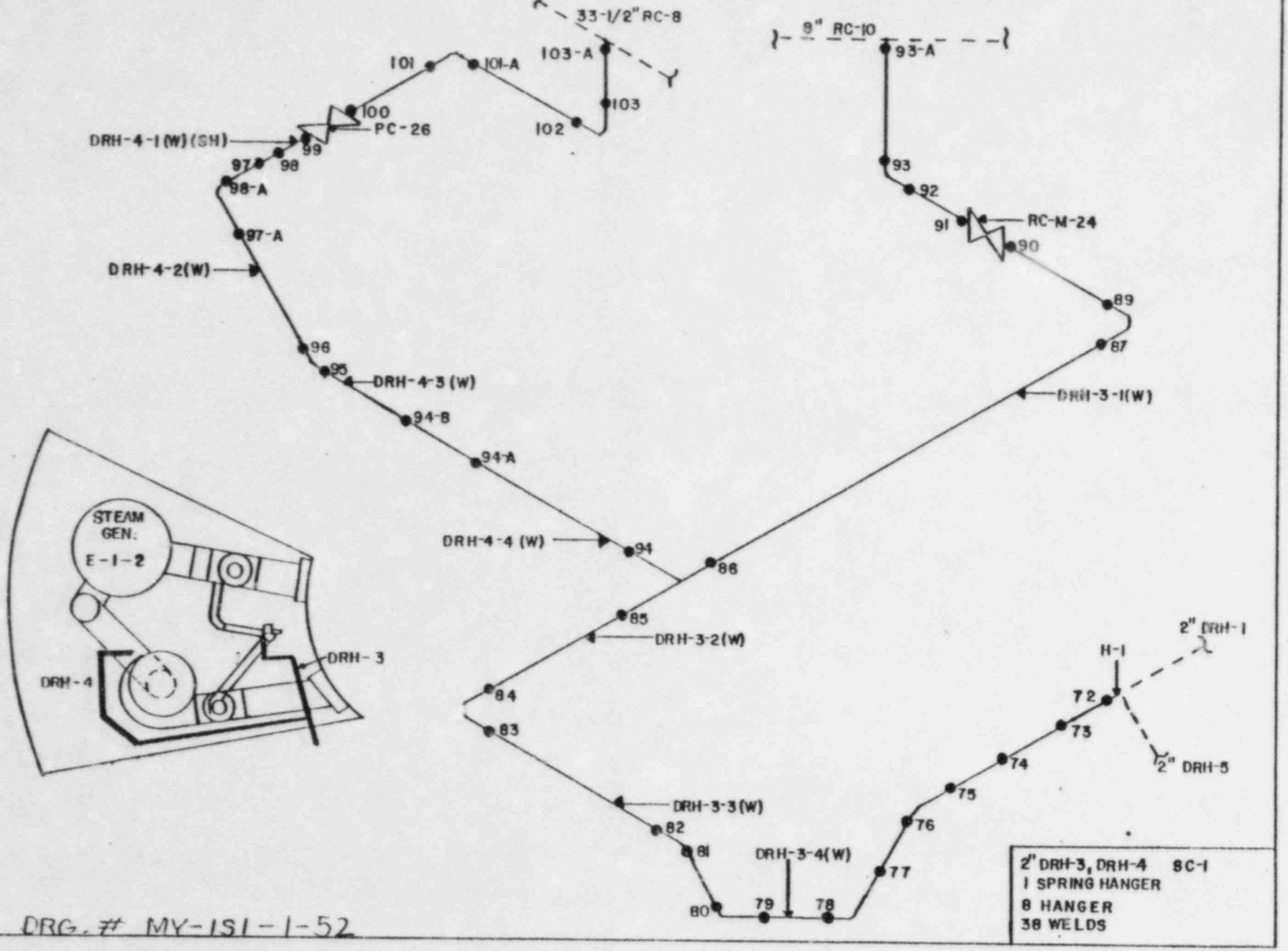
DRH-2-1(W)

51

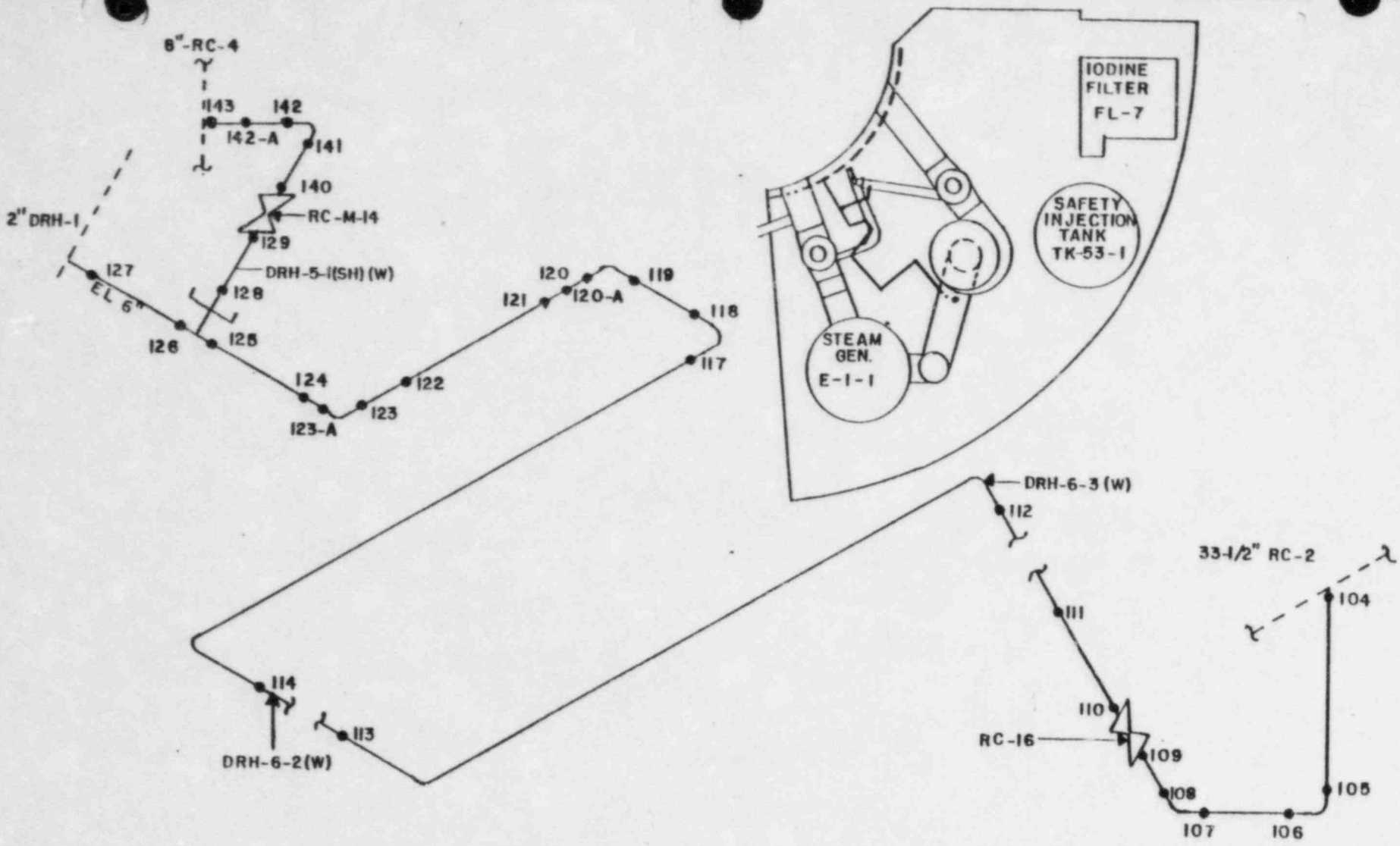
2" DRH-1

2" DRH-2 SC-1
1 SPRINGHANGER
3 HANGERS
18 WELDS

DRG. # MY-191-1-51



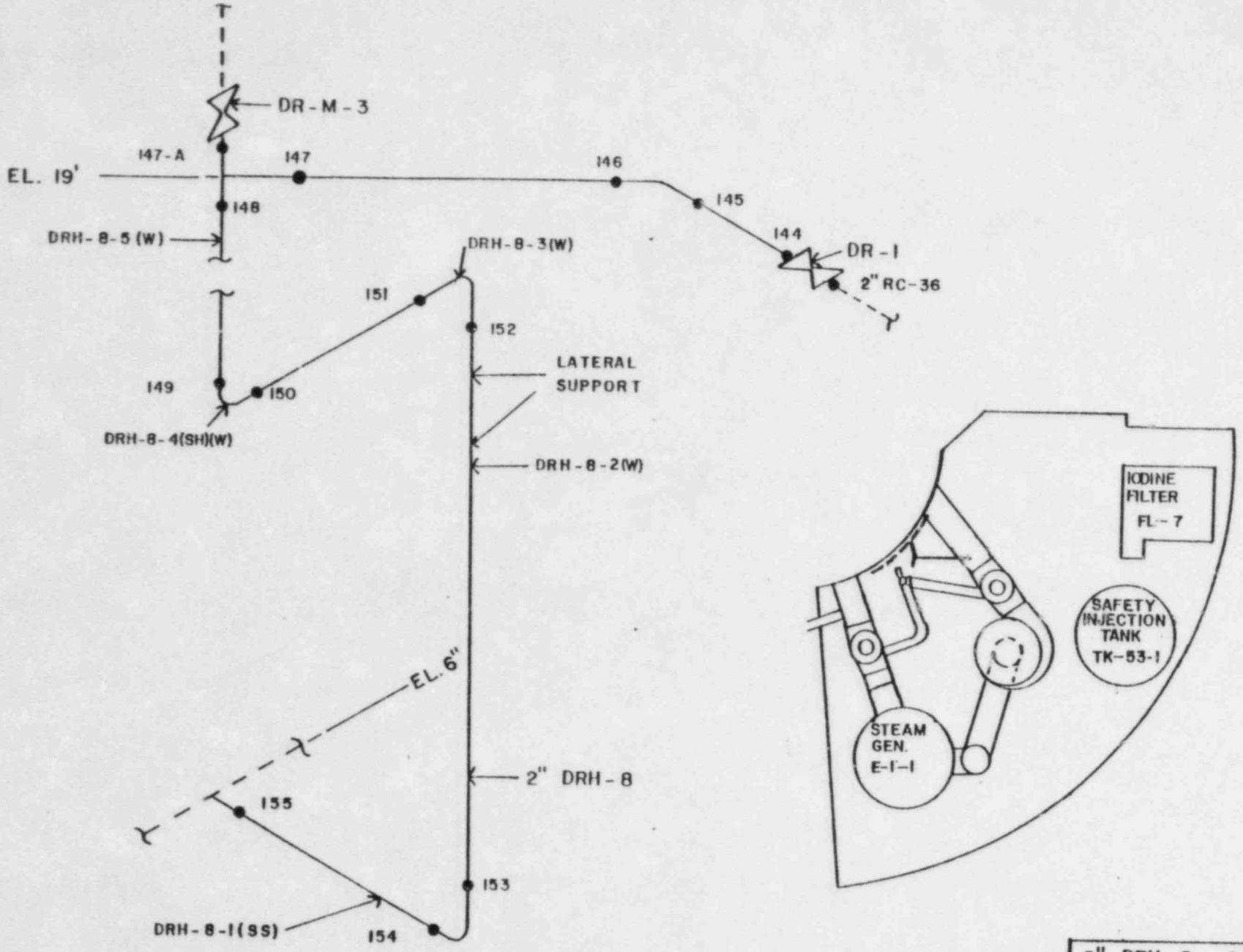
DRG. # MY-ISI-1-52



MKS-134A1

2" DRH-5, DRH-6
1 SPRING HANGER
2 HANGERS
31 WELDS
SC-1

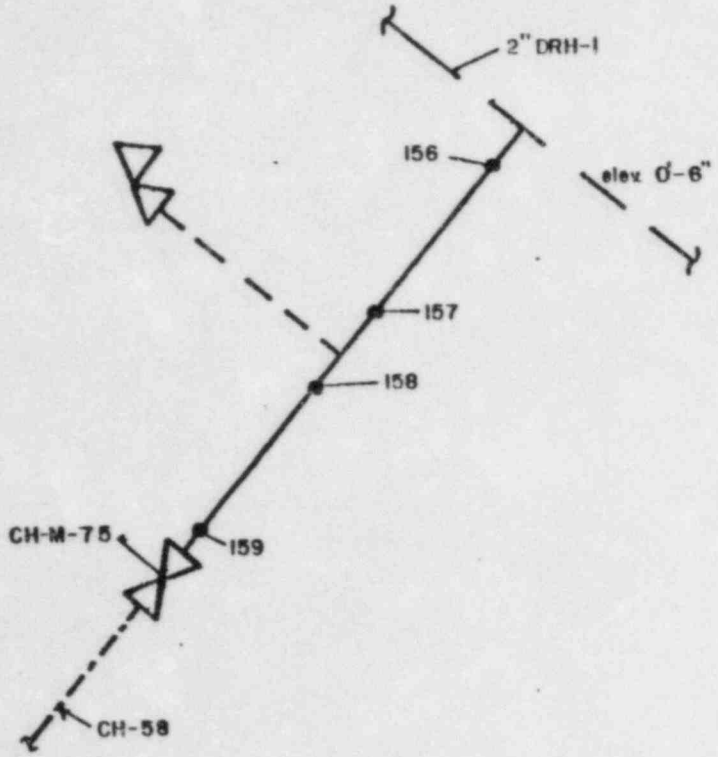
DRG. # MY-ISI-1-53

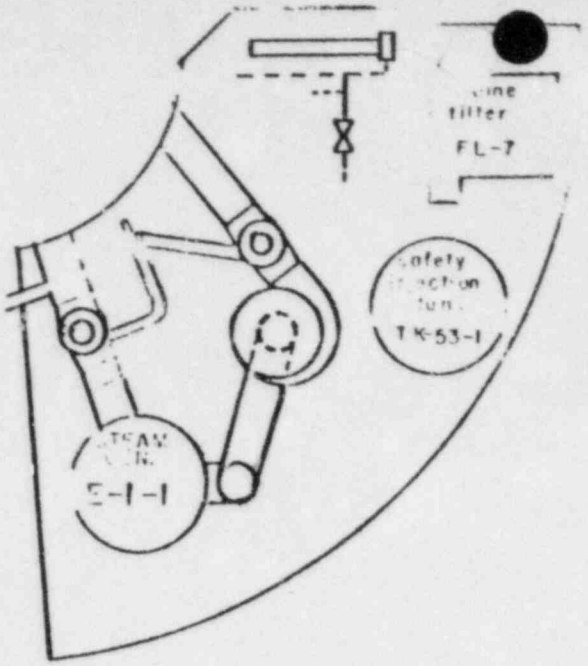


MKS-104A1

DRG. # MY-151-1-54

2" DRH-8	SC-1
6	HANGERS
1	SPRING HANGER
13	WELDS





LOOP NO. 1

SC-1

2" REACTOR DRAIN LINE

DRH-9

4 WELDS

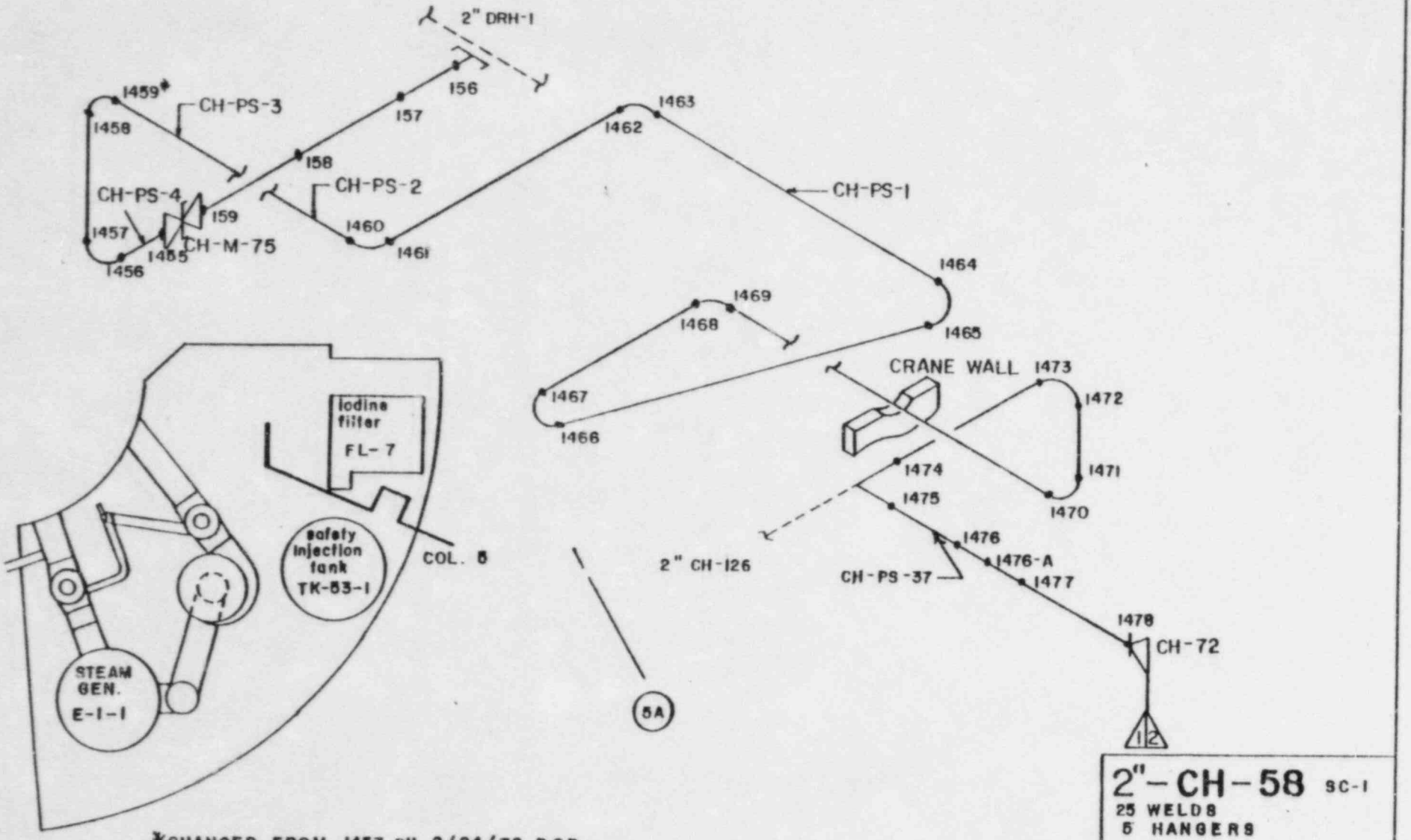
0 HANGERS

0 SHOCK SUPPRESSORS

0 SPRING HANGERS

DRG. # MY-151-1-55

CONT.



*CHANGED FROM 1457 ON 2/24/79 RCB

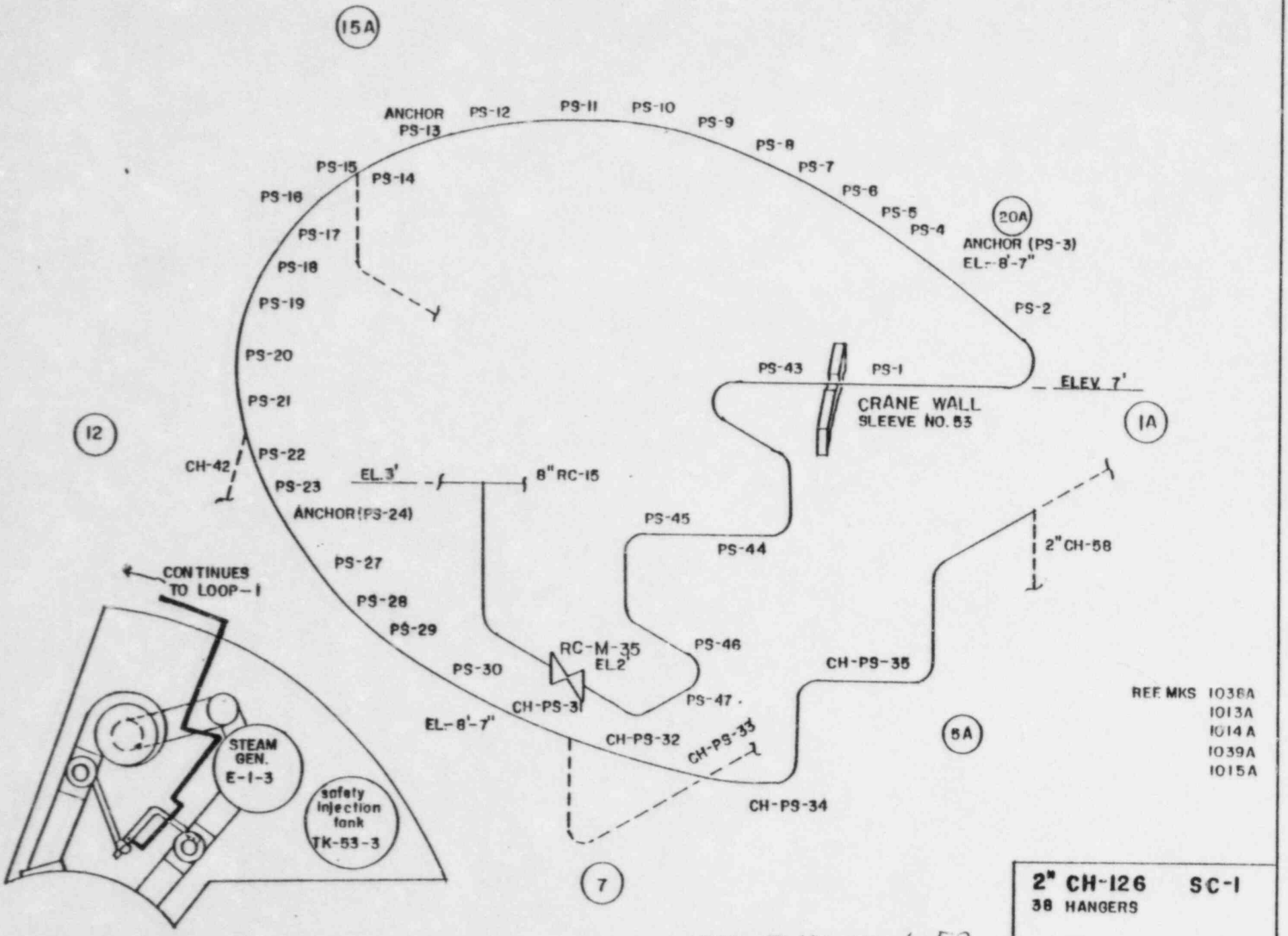
REF. MKS 1038A

DRG. # MY-1SI-1-56

2"-CH-58 SC-1

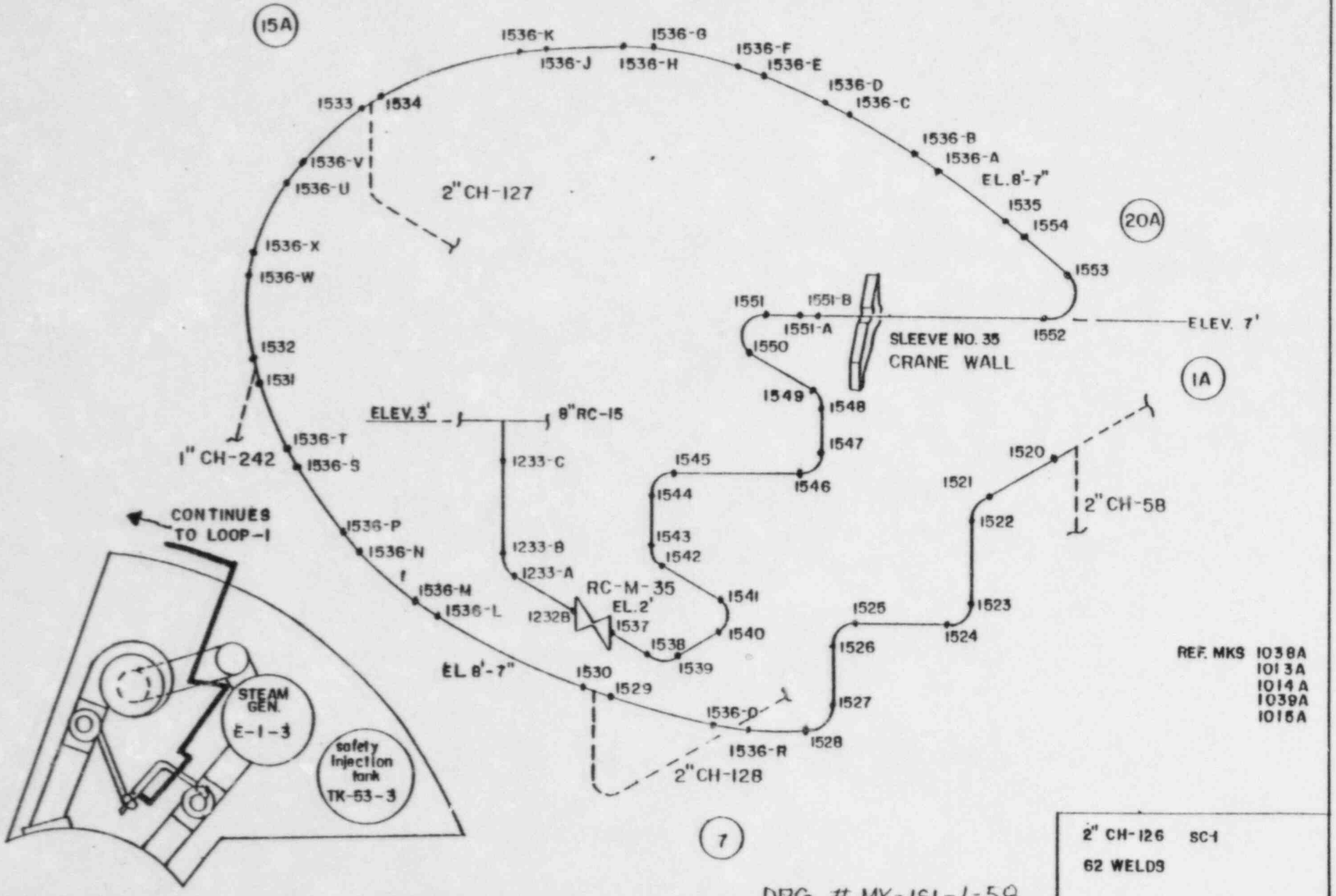
25 WELDS

5 HANGERS

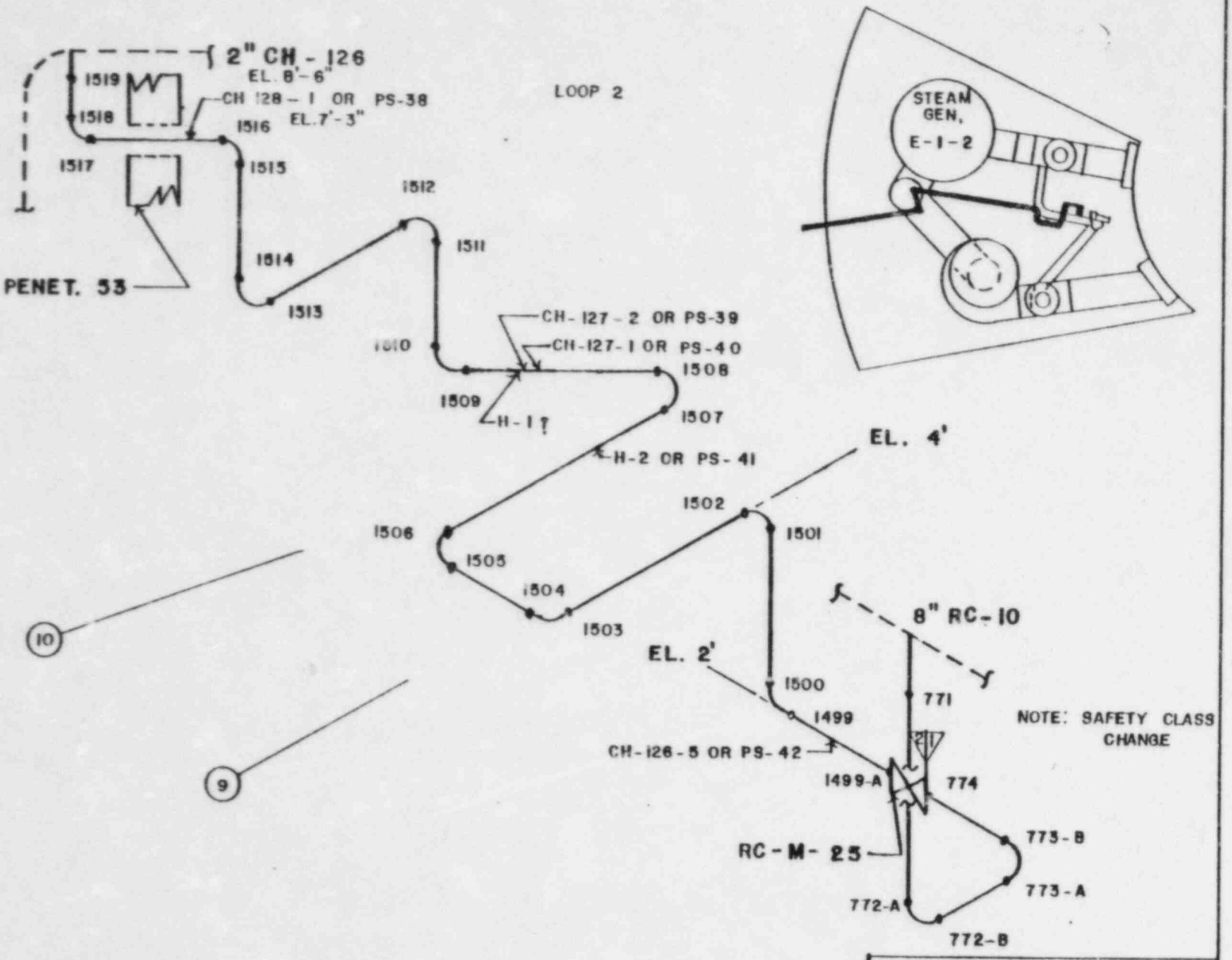


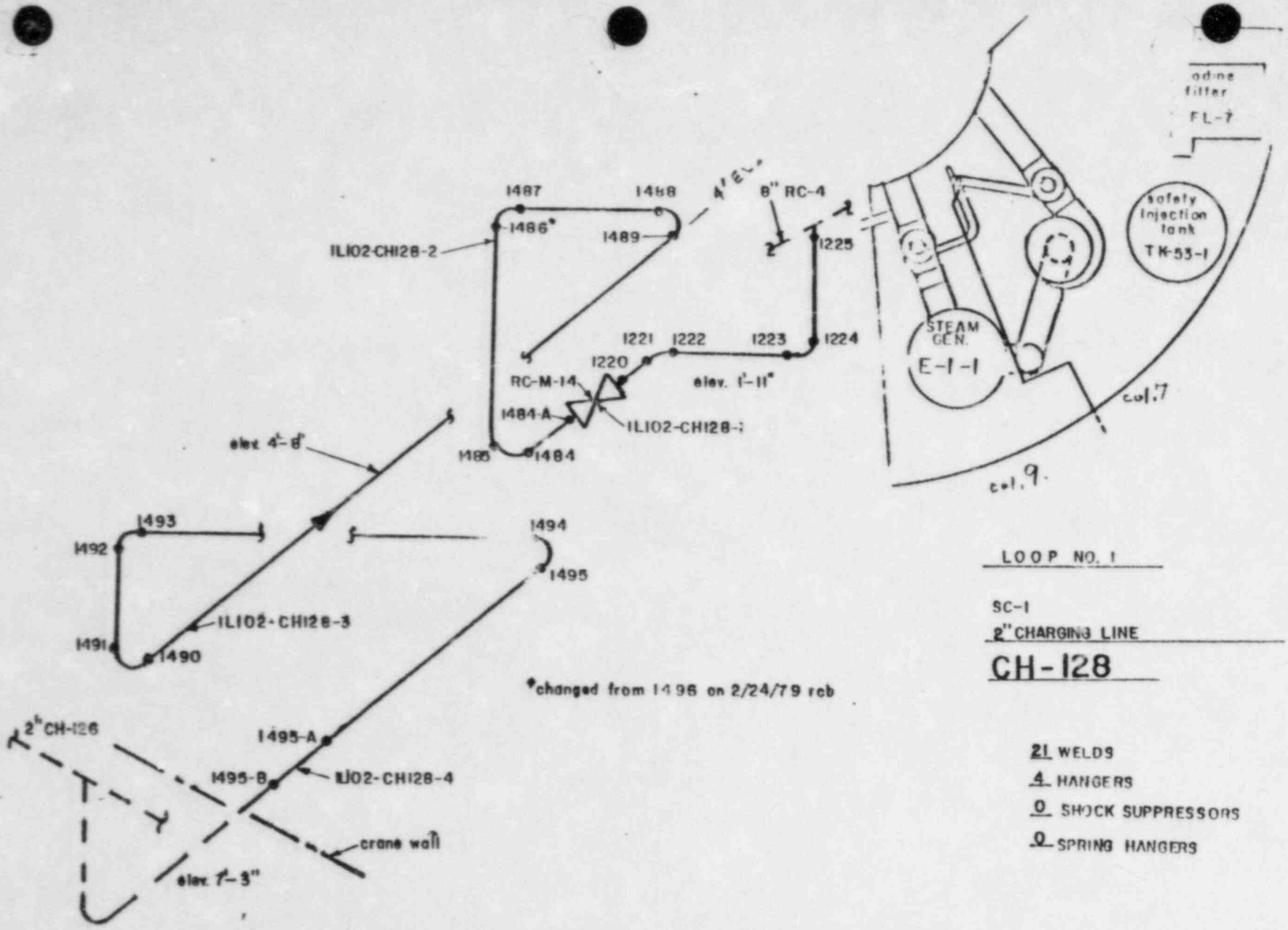
2" CH-126 SC-1
38 HANGERS

DRG. # MY-1SI-1-57



DRG. # MY-ISI-1-58


2" CH - 126
EL. 8'-6"
1519
1518
CH 128 - 1 OR PS-38
1516 EL. 7'-3"
1517
1515
1512
1511
1514
PENET. 33
1513
LOOP 2
STEAM GEN. E-1-2
CH-127-2 OR PS-39
CH-127-1 OR PS-40
1510
1508
1509
H-1
1507
H-2 OR PS-41
EL. 4'
1502
1501
1506
1505
1504
1503
10
9
8" RC-10
EL. 2'
1500
771
1499
NOTE: SAFETY CLASS CHANGE
CH-126-5 OR PS-42
1499-A
774
RC-M-25
773-B
773-A
772-A
772-B
2" CH-127
6 WELDS
SC-1
REF. MKS 1014A
DRG. # MY-1S1-1-59



*changed from 1496 on 2/24/79 rcb

LOOP NO. 1

SC-1

2" CHARGING LINE

CH-128

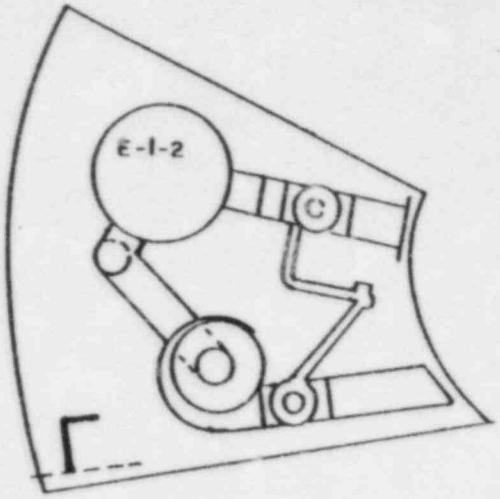
21 WELDS

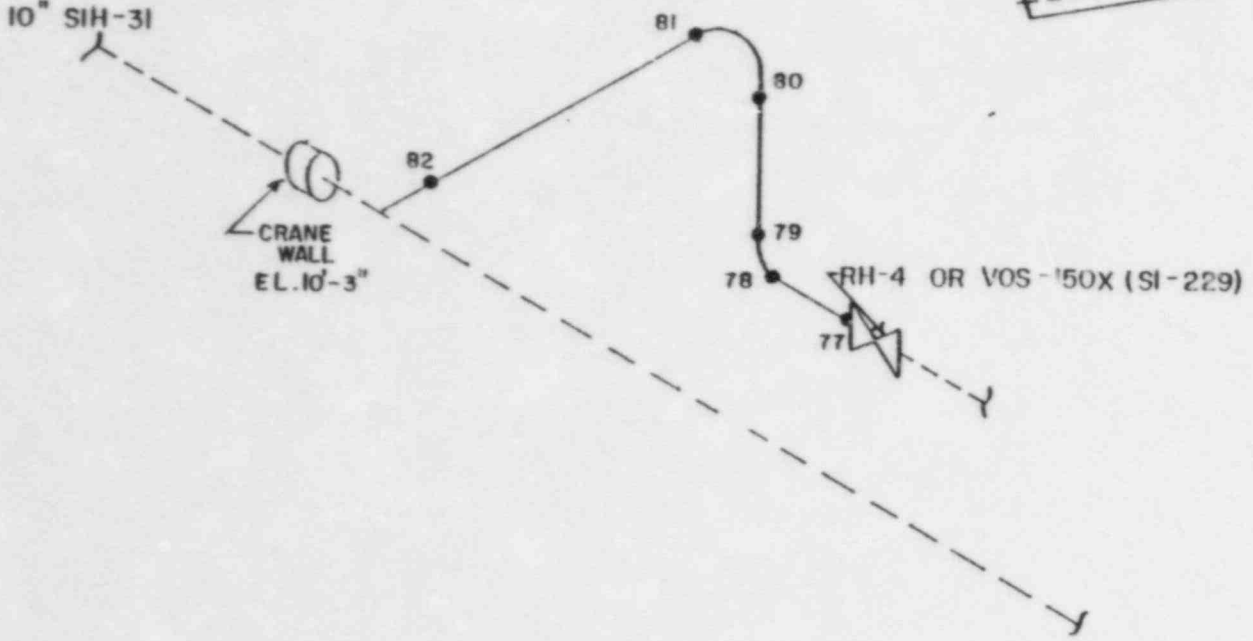
4 HANGERS

0 SHOCK SUPPRESSORS

0 SPRING HANGERS

DRG. # MY-151-1-60





DRG. # MY-151-1-61

REF. MKS 106C2

2" SIH-33
5 WELDS
0 HANGERS

SC-1

III SAFETY CLASS 2 REQUIREMENTS

The following Safety Class 2 examination methods and component selection were determined in accordance with the 1980 edition of the ASME Boiler and Pressure Vessel Code, Section XI as addended to the winter of 1980, except for the selection of Category C-F, C-G welds which was determined in accordance with the 1974 edition of the ASME Boiler and Pressure Vessel Code, Section XI as addended to the summer of 1975. The method of examination for Category C-F, C-G welds was determined by the 1980 edition of ASME, Section XI. The other few exceptions or requirements are as noted in the following tables.

1.0 SAFETY CLASS 2 COMPONENTS

Item	Total Number In Plant	To Be Inspected This Interval			Relief Request	Remarks
		1	2	3		
CATEGORY C-A, PRESSURE RETAINING WELDS IN VESSELS						
Circumferential Head and Tube Sheet Welds	35	4	6	4		
CATEGORY C-B, PRESSURE RETAINING NOZZLE WELDS IN VESSELS						
STEAM GENERATORS C2.20 Nozzle greater than 1/2 in. Nominal Thickness	6	1	1	1		
CATEGORY C-C, INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, and VALVES						
PRESSURE VESSELS C3.10 Steam Generator	18	2	2	2		
CATEGORY C-F, C-G PRESSURE RETAINING WELDS IN PIPING						
C2.0 Pipe Welds	1261	69	77	72		
CATEGORY C-H, ALL PRESSURE RETAINING COMPONENTS						
Leak Test		X	X	X		Each refueling
Hydrostatic Test						Once per interval

CATEGORY C-A, PRESSURE RETAINING WELDS IN VESSELS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C.10 Circumferential, tube sheet and head welds					100% of all welds located at structural discontinuities on 1 vessel of a group of vessels of similar design and function.				
STEAM GENERATORS									
E-1-1	C-9	UT		A533 Gr. B, Cl. 1		X			
	C-10								
	C-11								
	C-12								
	C-13								
E-1-2	C-9								
	C-10	UT		A533 Gr. B Cl. 1			X		
	C-11	UT		A533 Gr. B Cl. 1			X		
	C-12								
	C-13								
E-1-3	C-9								
	C-10								
	C-11								
	C-12	UT		A533 Gr. B Cl. 1				X	
	C-13	UT						X	
SEAL WATER HEATER									
E-96	1	UT		SA-182 F304			X		
RHR HEAT EXCHANGER									
E-3A	1A	UT		SA-515 Gr. 70		X			

CATEGORY C-A, PRESSURE RETAINING WELDS IN VESSELS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C.10 Circumferential, tube sheet and head welds					100% of all welds located at structural discontinuites on 1 vessel of a group of vessels of similar design and function				
E-3A Cont'd.	1B	UT		SA-515 Gr. 70			X		
E-3B	2A								
	2B								
REGEN. HEAT EXCHANG.									
E-67	RHE-2	UT		SA-182 F304		X			
	RHE-3								
	RHE-4								
	RHE-5								
	RHE-6								
	RHE-7								
	RHE-8								
	RHE-9								
	RHE-10	UT		SA-182 F304				X	
SEAL WATER SUPPLY FILTERS									
FL-34A	1A	UT		SA-312 TP316		X			
	2A	UT		SA-312 TP316			X		
FL-34B	1B								
	2B								
LET DOWN HEAT EXCH.									
E-44	1	UT		SA-182 F304			X		
	2	UT		SA-182 F304				X	

CATEGORY C-B, PRESSURE RETAINING NOZZLE WELDS IN VESSELS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.20 Nozzles greater than 1/2" wall thickness					Limited to 1 vessel in a group of vessels of similar design and function				
STEAM GENERATORS									
Nozzle-to-Shell Welds									
E-1-1	1-N-1	MT, UT		A533 Gr. B Cl.1		X			
	1-N-2	MT, UT							
E-1-2	2-N-1	MT, UT							
	2-N-2	MT, UT		A533 Gr. B Cl. 1			X		
E-1-3	3-N-1	MT, UT		A533 Gr. B Cl. 1				X	
	3-N-2	MT, UT							
Nozzle Inside Radius									
E-1-1	1-N-1	UT		A533 Gr. B Cl. 1		X			
	1-N-2	UT							
E-1-2	2-N-1	UT							
	2-N-2	UT		A533 Gr. B Cl. 1			X		
E-1-3	3-N-1	UT		A533 Gr. B Cl. 1				X	
	3-N-2								

CATEGORY C-C, INTEGRAL ATTACHMENT FOR VESSELS PIPING, PUMPS AND VALVES

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C3.10 PRESSURE VESSELS					Limited to one vessel in a group of vessels of similar design and function.				
STEAM GENERATOR CLEVIS BRACKETS									
E-1-1	CB-1								
	CB-2								
	CB-3								
	CB-4								
	CB-5								
	CB-6								
E-1-2	CB-1	MT				X			
	CB-2	MT				X			
	CB-3	MT					X		
	CB-4	MT					X		
	CB-5	MT						X	
	CB-6	MT						X	
E-1-3	CB-1								
	CB-2								
	CB-3								
	CB-4								
	CB-5								
	CB-6								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
Line 14" RH-1	74		LP			X			
	75		LP			X			
	76		LP			X			
	77		LP			X			
	77A		LP			X			
	77B		LP			X			
	77C		LP			X			
	78		LP			X			
	93		LP				X		
	93A		LP				X		
	93B		LP				X		
	93C		LP				X		
	95		LP				X		
	96		LP				X		
	97		LP				X		
	98		LP					X	
	108		LP					X	
	107		LP					X	
	106		LP					X	
	105		LP					X	
	104B		LP					X	
	104A		LP					X	
	104								
	103								
	102								
	101								
	100								
	79								
	00								
	80A								
	80B								
	80C								
	80D								
	80E								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
RH-1 Cont'd.	80F								
	80G								
	81								
	S-2								
	S-5								
	S-6								
	S-8								
	81A								
	82								
Low Pressure Safety Injection Pump Suction Train 1 of 2									
16" RH-3	94	LP				X			
	97A	LP					X		
	97								
	98								
LPSI Suction Train 2 of 2									
16" RH-4	72								
	73								
	74								
	75								
LPSI Discharge Train 1 of 2									
10" RH-11	S-1								
	S-2								
	101	LP					X		
	S-3	LP					X		
	S-4	LP					X		
	S-50								
	S-49								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
RH-11 Cont'd.	S-48								
	37								
	36								
	35								
	35A								
	S-43								
	S-44								
LPSI Discharge Train 2 of 2 10" RH-12									
	S-4	LP				X			
	S-5	LP				X			
	68								
	S-6								
	67A								
	S-7	LP						X	
	67	LP						X	
	S-38	LP						X	
	S-37								
	S-36								
	64								
	63								
	62								
	61								
	S-35								
	S-34								
Line 10" RH-13	21	LP				X			
	22	LP					X		
	23	LP					X		
	58	LP						X	
	59								
	S-24								
	S-25								
	60								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
Line 12" RH-20	S-20	UP				X			
	S-19	UP				X			
	S-18	UP				X			
	S-17	UP				X			
	57	UP					X		
	69	UP					X		
	S-47	UP					X		
	S-42	UP					X		
	S-41	UP						X	
	41	UP						X	
	S-21	UP						X	
	S-22	UP						X	
	S-23	UP						X	
	S-24								
	S-36								
	S-37								
	S-38								
	S-39								
	43								
	44								
	S-40								
	106								
	106A								
	106B								
	45								
	46								
Residual Heat Exchanger Inlet Train 1 of 2									
10" RH-25	27	UP				X			
	S-5	UP				X			
	S-6	UP				X			

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
RH-25 Cont'd.	S-7	UP				X			
	28	UP					X		
	S-8	UP					X		
	S-9	UP					X		
	S-10	UP					X		
	S-11	UP					X		
	29								
	30								
	31								
	S-12								
	S-13								
	S-14								
	S-15								
	32								
	33								
	S-54								
	S-55								
	S-56								
	S-53								
	S-52								
	S-51								
	34								
	S-45								
	S-46								
Residual Heat Exchanger Inlet Train 2 of 2									
10" RH-26	S-1								
	S-2								
	S-3								
	50								
	S-12								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
RH-26 Cont'd.	S-13								
	S-14								
	S-15								
	51								
	52	UP						X	
	S-16	UP						X	
	53	UP						X	
	S-8	UP						X	
	S-9	UP						X	
	S-10								
	S-11								
	54								
	55								
	S-33								
	S-32								
	S-31								
	S-29								
	S-28								
	56								
	S-27								
	S-26								
Residual Heat Exchanger Outlet Train 1 of 2									
10" RH-27	12	UP				X			
	13	UP				X			
	S-24	UP				X			
	S-25	UP				X			
	14	UP				X			
	15								
	S-26								
	S-27								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
RH-27 Cont'd.	S-28								
	S-29								
	S-30								
	S-31								
	S-32								
	S-33								
	S-34								
	16								
	17	LP						X	
	S-19	LP						X	
	18	LP						X	
	S-18	LP						X	
	S-17	LP						X	
	S-15								
	S-14								
	19								
	S-13								
	S-12								
	S-11								
	S-10								
	20								
Residual Heat Exchanger Outlet Train 2 of 2									
10" RH-28	5								
	S-15								
	S-14								
	S-13								
	S-12								
	S-11	LP				X			
	S-10	LP				X			
	S-17	LP				X			

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant				See ASME Sec. XI 74 S 75
RH-28 Cont'd.	S-18	LP					X		
	S-16	LP					X		
	6	LP					X		
	7								
	S-19								
	S-20								
	8								
	9								
	S-21								
	S-22								
	10								
	11								
	S-23								
	4								
	3A								
	S-9								
	3								
	S-8								
	S-7								
	S-6								
	5								
	4								
	2								
	S-3								
	S-2								
	S-1A								
	1								
Line 12" RH-30	S-21	LP				X			
	S-22	LP				X			
	11	LP				X			
	S-23	LP					X		
	10	LP					X		
	S-26	LP					X		

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
RH-30 Cont'd.	48B	LP						X	
	48A	LP						X	
	S-27	LP						X	
	48								
	47								
	S-28								
	46B								
	46A								
	S-29								
	S-30								
	S-31								
	46								
	S-32								
Line 6" RH-33	S-33	LP				X			
	S-34	LP					X		
	110	LP						X	
	111								
	112								
	113								
Safety Injection Train 1 of 2									
6" SIH-13	49A								
	49B								
Safety Injection Train 2 of 2									
6" SIH-17	50A								
	50B	UT, LP	TB-44	A376 TP316			X		

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
Safety Injection Train 1 of 3									
10" SIH-22	69	UT, LP	TB-38	A376 TP316		X			
	69 long.	UT, LP	TB-38	A376 TP316		X			
	S-15	UT, LP	TB-38	A376 TP316		X			
	S-15 long.								
	S-16								
	S-16 long.								
	68								
	7								
	S-19								
	S-19 long.								
	S-20								
	S-21								
	S-21 long.								
	S-22								
	S-23								
	S-23 long.								
	S-24								
	8								
	S-24 long.								
	S-25								
	9								
	S-25 long.								
	S-26								
	S-27								
	S-27 long.								
	S-28								
	S-29								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
SIH-22 Cont'd.	S-29 long.								
	10								
	S-30								
	S-31								
	S-32								
	11								
Safety Injection Train 2 of 3									
10" SIH-31	59A								
	59								
	S-13A long.								
	S-13A	UT, LP	TB-38	A376 TP316			X		
	S-14B long.	UT, LP	TB-38	A376 TP316			X		
	S-14B								
	58 long.	UT, LP	TB-38	A376 TP316			X		
	58								
	1								
	S-1								
	S-1 long.								
	S-2								
	S-3								
	S-3 long.								
	S-4								
	S-5								
	2								
	S-6								
	S-6 long.								
	S-7								
	S-8								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
SIH-31 Cont'd.	S-8 long.								
	S-9								
	4								
	S-9 long.								
	S-10								
	S-11								
	S-11 long.								
	S-12								
	S-13								
	S-13 long.								
	S-14								
	S-15								
	S-15 long.								
	5								
	S-16								
	S-17								
	S-18								
	6								
Safety Injection Train 3 of 3									
10" SIH-42	22								
	S-18 long.								
	S-18								
	S-17A long.								
	S-17								
	S-17 long.								
	23								
	12	UT, LP	TB-38	A376 TP316				X	
	12A	UT, LP	TB-38	A376 TP316				X	

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S75
SIH-42 Cont'd.	S-1 long.	UT, LP	TB-38	A376 TP316				X	
	S-1								
	S-2								
	S-2 long.								
	S-3								
	S-4								
	S-4 long.								
	S-5								
	13								
	S-6 long.								
	S-6								
	14								
	S-7 long.								
	S-7								
	S-8								
	S-8 long.								
	S-9								
	S-10								
	S-10 long.								
	15								
Safety Injection Pump Suction Train 1 of 2									
10" SIH-51	1								
	2								
	3								
	4								
	5	LP						X	
	6	LP					X		
	7								
	8								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
Safety Injection Pump Suction Train 2 of 2									
10" SIH-52	53								
	63								
	62								
	61								
	60								
	54								
	54A	LP				X			
	55A	LP				X			
Charging Pump Suction Train 1 of 2									
10" CH-1	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13	LP						X	
	14	LP						X	
	15	LP						X	
	16	LP						X	
	17	LP						X	
	18								

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
CH-1 Cont'd.	19								
	20								
	21								
	22								
	23	UP				X			
	24	UP				X			
	25	UP				X			
	26	UP				X			
	27	UP				X			
Charging Pump Suction Train 2 of 2									
10" CH-2	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	13A								
	14A								
	14								
	15								
	16								
	17	UP					X		
	18	UP					X		
	19	UP					X		

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
CH-2 Cont'd.	20	LP					X		
	21	LP					X		
	22								
	23								
	24								
	25								
	26								
Charging Pump Suction Train 1 of 3									
6" CH-3	1								
	2								
	3								
	4								
	5								
	6	LP						X	
	7	LP						X	
	8								
	9								
	10								
	11								
Charging Pump Suction Train 2 of 3									
6" CH-4	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8	LP					X		
	9	LP					X		

CATEGORY C-F, PRESSURE RETAINING WELDS IN SYSTEMS WHICH CIRCULATE REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 100% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
CH-4 Cont'd.	10								
	11								
Charging Pump Suction Train 3 of 3									
6" CH-5	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14	UP				X			
	15	UP				X			
Line 10" CH-6	1	UP				X			
	2	UP				X			
	3	UP					X		
	4	UP					X		
	7	UP						X	
	8	UP						X	
	9	UP						X	
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								

CATEGORY C-G, PRESSURE RETAIN. ELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 50% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
Main Steam Train 1 of 3 Line 30" SHP-1	A_1-1								
	A_1-1 long								
	1								
	2								
	2 long.								
	3	UT, LP	TB-12	A515 Gr. 70				X	
	4								
	4 long.								
	4A								
	5								
	S-19								
	S-2								
	5A								
	S-3								
	6								
	S-1A long.								
	S-1								
	7								
	8								
	9								
	10								
Main Steam Train 2 of 3 Line 30" SHP-2	A_1-1								
	A_1-1 long								
	2								
	4								
	4 long.								
	5								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 50% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
SHP-2 Cont'd.	8	UT, LP	TB-12	A515 Gr. 70			X		
	8 long.								
	9								
	22								
	S-38								
	S-22								
	S-21								
	22A								
	23								
	S-20A long.								
	S-20								
	24								
	25								
	26								
	27								
Main Steam Train 3 of 3 Line 30" SHP-3									
	A_1-1								
	A_1-1 long								
	2								
	2 long.								
	4								
	4 long.								
	5								
	6								
	6 long.								
	7	UT, LP	TB-12	A515 Gr. 70		X			
	A_3-210								
	41								
	S-56								
	S-40								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 50% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S75
SHP-3 Cont'd.	S-38								
	41A								
	42								
	S-39A long.								
	S-39								
	43								
	44								
	45								
	46								
Main Steam Safety Train 1 of 3 30" SHP-4-601									
	S-4								
	S-5								
	S-5A long.	UT, LP	TB-12	A515 Gr. 70		X			
	S-6								
	S-7								
	S-8								
	S-9								
	S-10								
	S-11								
	S-12								
	S-13								
	S-14								
	S-15								
	S-16								
	S-17								
	S-18								
	S-18A long.								
Main Steam Safety Train 2 of 3 30" SHP-5-601	S-23	UT, LP	TB-12	A515 Gr. 70			X		
	S-24								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 50% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
SHP-5-601 Cont'd.									
	S-24A long.								
	S-25								
	S-26								
	S-27								
	S-28								
	S-29								
	S-30								
	S-31								
	S-32								
	S-33								
	S-34								
	S-35								
	S-36								
	S-37								
	S-37A long.								
Main Steam Safety Train 3 of 3 30" SHP-6									
	S-41								
	S-42	UT, LP	TB-12	A515 Gr. 70				X	
	S-42A long.								
	S-43								
	S-44								
	S-45								
	S-46								
	S-47								
	S-48								
	S-49								
	S-50								
	S-51								
	S-52								
	S-53								
	S-54								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 50% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
SHP-6 Cont'd.	S-55								
	S-55A long.								
Decay Heat Release Train 1 of 3									
6" SDHV-1	S-8	UP				X			
	S-9								
	5								
	S-10								
	S-11								
	S-12								
	S-13								
	4								
	S-20								
Decay Heat Release Train 2 of 3									
6" SDHV-2	S-19								
	S-18								
	9								
	8								
	S-17								
	S-16								
	S-15								
	S-14								
	7								
	S-39	UP						X	
Decay Heat Release Train 3 of 3									
6" SDHV-3	S-6								
	S-5								
	3								
	2								
	S-4								
	S-3								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 50% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
SDHV-3 Cont'd.	S-2								
	S-1								
	1								
	S-57								
Decay Heat Balance 6" SDHV-4	S-7								
	S-20								
	S-21	LP					X		
	S-22								
	S-23								
	S-24								
	S-25								
	S-26								
	11	LP						X	
	12								
	13								
Main Feedwater Train 1 of 3 14" WFPD-4	1	UT, LP	TB-14	A106 Gr. B		X			
	1A								
	1B								
	2								
	3								
	4								
	4A								
	5								
	6								
	7								
	7A								
	8								
	9								
	9A								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 50% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
WFPD-4 Cont'd.	9B								
	10								
	11								
	12								
	13								
	14								
	15								
	81								
	S-38E								
	S-38D								
	S-38C								
	S-38B								
	S-38A								
	38								
	21								
	22								
	23								
	24								
	25								
	26								
	27								
	28								
	29								
	30								
Main Feedwater Train 2 of 3									
14" WFPD-8	1								
	1A	UT, LP	TB-14	A106 Gr. B			X		
	1B	UT, LP	TB-14	A106 Gr. B			X		
	2								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping					25% of the 50% of the welds required to be examined during the 40 year life of the plant.				See ASME Sec. XI 74 S 75
WFPD-8 Cont'd.	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	39								
	S-10								
	S-9								
	S-8								
	S-7								
	S-6								
	80								
	83								
	84								
	85								
	86								
	87								
	88								
	89								
	90								
	91								
	92								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI
Main Feedwater									74, S75
Train 3 of 3									
14" WFPD-10	1								
	1A								
	1B								
	2	UT, LP	TB-14	A106 Gr. B				X	
	3	UT, LP	TB-14	A106 Gr. B				X	
	4								
	5								
	5A								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13	RT, LP	TB-14	A106 Gr. B		X	X	X	
	13A								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
	58								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI
WFPD-10 Cont'd.									74, S75
	S-5								
	S-4								
	S-3								
	S-2								
	S-1								
	57								
	56								
	55								
	53								
	52								
	51								
	50								
	49								
	48								
	47								
	46								
	45								
Auxiliary Feedwater Train 1 of 3									
6" WAPD -21	102A								
	1								
	2								
	3								
	4								
	102								
	101								
	5								
	6								
	100								
	7								
	8								
	9								
	99								
	98D								
	98C								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									
WAPD-21 Cont'd.	98B								
	98A								
	98								
	10								
	11								
	12								
	13								
	14								
	97								
	96								
	135								
	15								
	16								
	17								
	18								
	19								
	20								
	21								
	22								
	134								
	23								
	136	LP				X			
	137	LP				X			
Auxiliary Feedwater	87A								
Train 2 of 3	1								
6" WAPD-23	2								
	3								
	4								
	87								
	5								
	6								
	86A								
	7								
	86								
	8								
	85B								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping WAPD-23 Cont'd.	85A								See ASME Sec. XI 74. S 75
	9								
	85								
	10								
	11								
	12								
	84								
	13								
	14								
	15								
	83								
	16								
	82D								
	82C								
	82B								
	82A								
	82								
	81								
	80								
	17								
	18								
	79								
	19								
	20								
	21								
	78B								
	78A								
	22								
	23								
	24								
	78								
	77B								
	77A								
	25								
	76A								
	26								
	27								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
WAPD-23 Cont'd.	28								
	29								
	30								
	77								
	76								
	31								
	75								
	123								
	123A								
	32								
	33								
	34	LP					X		
	35	LP					X		
	36								
	37								
	38								
	39								
	40								
	41								
	42								
	124								
	43								
	125								
	126								
Auxiliary Feedwater Train 3 of 3 6" WAPD-25	95A								
	1								
	2								
	3								
	4								
	95								
	94								
	5								
	93D								
	93C	LP						X	
	93B	LP						X	

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									
WAPD-25 Cont'd.	93A								See ASME Sec. XI
	6								
	93								
	7								
	8								
	9								
	92								
	10								
	11								
	12								
	91								
	13								
	90D								
	90C								
	14								
	90B								
	15								
	90A								
Containment Spray	52						X		
Header Inlet	16						X		
Train 1 of 2	90						X		
10" CS-1	17								
	89B								
	18								
	89A								
	19								
	20								
	21								
	22								
	23								
	89								
	88								
	122								
	122A								
	24								
	25								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping CS-1 Cont'd.									See ASME Sec. XI 74. S 75
	26								
	27								
	28								
	29								
	30								
	31								
	121								
	32								
	120								
	119								
	S-13								
	53								
	54								
	S-12								
	S-11								
	S-10								
	S-9								
	S-8								
	S-7								
	S-6								
	S-5								
	S-4								
	S-3								
	S-2								
	56								
	S-1								
	36								
	57								
	58								
	59								
	60								
	61								
	37								
	38								
	62								
	63								
	39								
Containment Spray Header Inlet Train 2 of 2	106								
	107								
	108								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									
Line 10" CS-2	S-13								See ASME Sec. XI
	S-12	LP							74. S 75
	S-11	LP					X		
	S-10	LP					X		
	S-9						X		
	S-8								
	S-7								
	109								
	S-6								
	S-5	LP						X	
	S-4	LP						X	
	S-3								
	S-2								
	S-W								
	111								
	120								
	121								
	122								
	123								
	124								
	125								
	126								
	127								
Containment Spray	S-14								
to Charging Suction	S-15								
Train 1 of 2	S-16								
8" CS-3	S-17								
	S-18								
	S-19								
	S-20								
	S-21								
	S-22								
	46								
	S-23								
	47								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
6" CS-6	48	LP				X			
	49	LP				X			
	50	LP				X			
	S-24								
	S-26								
	S-27								
	S-28								
	S-29								
	S-30								
	S-31								
	S-32								
	S-33								
	S-34								
	S-35								
	S-36								
	S-37								
	S-38								
	51								
Containment Spray to Charging Suction Train 2 of 2									
8" CS-4	S-15								
	S-16								
	S-17								
	S-18								
	S-19								
	S-20								
	S-21								
	S-22	LP					X		
	S-23								
	S-24	LP					X		
	S-25								
	S-26	LP					X		
	112	LP					X		
	112A								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
6" CS-8	113								
	114								
	S-27								
	S-28								
	S-29								
	S-30								
	S-31								
	114B								
	114A								
	114								
	S-33								
	S-34								
	115A								
	115B								
	115C								
	115D								
	S-35								
	S-36								
	116	LP						X	
	117	LP						X	
	S-37	LP						X	
	S-38								
	S-39								
	S-40								
	S-41								
	S-42								
	118								
	43								
	44								
	45								
	46								
	47								
	119								
18" CS-11	S-15								
	S-16								
	S-17								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
CS-11 Cont'd.	S-19								
	S-20								
	82								
	81								
	77	LP				X			
	S-21								
	76	LP					X		
	S-22								
	S-23								
	S-24								
	75	LP						X	
18" CS-12	S-13	LP				X			
	S-14	LP					X		
	61	LP						X	
	S-15								
	S-16								
	60								
	S-17								
	S-18								
	59								
	S-20								
	S-21								
	58								
Containment Spray Suction Train 1 of 2									
16" CS-13	S-15	LP				X			
	S-4	LP				X			
	S-3	LP				X			
	84								
	85								
	S-5								
	86								
	S-6	LP						X	
	S-7								
	S-8								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
CS-13 Cont'd.	S-9								
	87								
	88	LP						X	
	S-10	LP						X	
	89								
	90								
	91								
14" CS-15	S-11	LP				X			
	S-13	LP				X			
	S-14								
	92								
	66								
	S-3								
	S-2								
	S-1								
	67								
	65								
	64								
	S-5								
	S-6								
	S-7								
14" CS-17	S-2								
	S-1								
	93	LP						X	
	94	LP						X	
	95								
Containment Spray Suction Train 2 of 2									
16" CS-14	68								
	69								
	70								
	S-8								
	70A								
	S-9								
	S-25								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
CS-14 Cont'd.	S-26								
	S-27								
	S-28								
	63B								
	63A								
	S-10	LP					X		
	63	LP					X		
	62	LP					X		
	S-11								
	S-12								
	S-13								
14" CS-16	S-22	LP					X		
	S-24	LP					X		
	72								
	73								
	74								
Containment Spray Pump Discharge Train 1 of 3									
10" CS-21	S-27	LP				X			
	S-28	LP				X			
	S-29								
	S-30								
	S-31								
	9A								
	S-32								
	S-33								
	S-34								
	S-35								
	S-36								
	S-37								
	S-38								
	18								
	19								
	S-6								
	21								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
CS-21 Cont'd.	22								
	S-7								
	S-8								
	23								
	20								
	20A								
	S-5								
	S-4								
	20B								
	20G								
	20F								
	20D								
	20E								
Containment Spray Pump Discharge Train 2 of 3 10" CS-22	S-9								
	S-10								
	S-11								
	S-11A								
	S-12								
	17								
	S-13	LP					X		
	S-15	LP					X		
	S-16	LP					X		
	S-17								
	S-18								
	5								
	3								
	4								
	S-19								
	6								
	7								
	S-20								
	S-21								
	8								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
CS-22 Cont'd.	2A								
	S-22								
	1B								
	S-23								
	1A								
	S-24								
	S-25								
	S-26								
Containment Spray Pump Discharge Train 3 of 3									
10" CS-23	S-39								
	S-40								
	10								
	11								
	S-41	LP						X	
	S-42	LP						X	
	12								
	13								
	S-43								
	S-44								
	S-45								
	S-46								
	15								
	16								
	S-47								
	14A								
	S-48								
	S-49								
	14								
	S-50								
	14B								
	S-51								
	S-52								
	S-53								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
Containment Spray Line 6" CS-30	152	LP				X			
	153	LP				X			
	154	LP				X			
	S-2A	LP				X			
	S-2B	LP					X		
	155	LP					X		
	S-3	LP					X		
	S-4	LP					X		
	S-5	LP						X	
	S-6	LP						X	
	S-7	LP						X	
	S-8	LP						X	
	S-9								
	S-10								
	S-11								
	S-12								
	165								
	S-16								
	S-24								
	S-25								
	165A								
	S-29								
	S-30								
	S-31								
	S-32								
	175								
	S-38								
	S-39								
	S-40								
	S-41								
	176								
	S-42								
	S-43								
	S-44								
	S-45								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
CS-30 Cont'd.	S-46								
	S-47								
	S-48								
	S-49								
	177								
	S-50								
	S-51								
	178								
	S-33								
	S-34								
	S-35								
	174								
	S-35A								
	S-35B								
	172								
Containment Spray Header Train 1 of 2 10" CS-36	40	LP				X			
	40A	LP				X			
	40B								
	40C								
	40D								
	40E								
	41								
	42								
	42A								
	42B								
	42C								
	42D								
	43								
	43A								
	43B								
	43C								
	44								
	45								

CATEGORY C-G, PRESSURE RETAINING WELDS IN SYSTEMS CIRCULATING OTHER THAN REACTOR COOLANT

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
C2.0 Piping									See ASME Sec. XI 74. S 75
CS-36 Cont'd.	46								
	47								
8" CS-38	28A								Relief 14
	35								
Containment Spray Header Train 2 of 2									
10" CS-37	128								
	129								
	130	LP					X		
	130A	LP					X		
	130B	LP						X	
	130C								
	130D								
	130E								
	130F								
	130G								
	131								
	131A								
	132								
	133								
	133A								
	133B								
8" CS-39	103								
	95								Relief 14

CATEGORY C-H, PRESSURE RETAINING COMPONENTS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
Safety Class 2 Components									See Section V

2.0 SAFETY CLASS 2 SUPPORTS

Certain Safety Class 2 components are subject to methods of NDE other than pressure testing, in accordance with article IWC of ASME Sec. XI. The examination requirements for the supports to these components are listed in the following tables.

SAFETY CLASS 2 COMPONENT SUPPORTS

ITEM	TOTAL NO. IN PLANT	TO BE INSPECTED THIS INTERVAL 1	2	3	RELIEF REQUESTS	REMARKS
Component Supports	234	72	73	73		

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
14" RH-1	RH-HSS-101	Shock Suppressor	--	VT-3, VT-4	X			
	RH-SH-56	Spring	4402 ± 880	VT-3, VT-4		X		
	H-500	Rod	--	VT-3			X	
	RH-A-200(w)	Anchor	--	VT-3	X			
	RH-SH-42	Spring	2255 ± 451	VT-3, VT-4		X		
	RH-SH-43	Spring	2255 ± 451	VT-3, VT-4			X	
	RH-SH-44	Spring	1731 ± 346	VT-3, VT-4	X			
	RH-SH-45	Spring	1757 ± 351	VT-3, VT-4		X		
LPSI Suction								
16" RH-3	H-47	Vertical	--	VT-3				2 lines of similar design
16" RH-4	H-46	Vertical	--	VT-3			X	
LPSI Discharge								
10" RH-11	RH-SH-31	Spring	680 ± 136	VT-3, VT-4	X			2 lines of similar design
	RH-SH-32	Spring	1026 ± 205	VT-3, VT-4		X		
	RH-SH-33	Spring	1961 ± 392	VT-3, VT-4			X	
10" RH-12	RH-SH-28	Spring	680 ± 136	VT-3, VT-4				
	RH-SH-29	Spring	1082 ± 216	VT-3, VT-4				
	RH-SH-30	Spring	1092 ± 218	VT-3, VT-4				
10" RH-13	RH-SH-52	Spring	1125 ± 225	VT-3, VT-4	X			
12" RH-20	H-8	Sliding	--	VT-3		X		
	H-4	Sliding	--	VT-3			X	
	H-5	Sliding	--	VT-3	X			
	H-6	Lateral	--	VT-3		X		
	H-7	Vertical, Lateral	--	VT-3			X	
	H-2	Anchor	--	VT-3	X			
	H-10	Vertical, Lateral	--	VT-3		X		
esidual HX Inlet								
10" RH-25	H-12	Rod	--	VT-3				2 lines of similar design
	H-13	Vertical	--	VT-3				
	RH-SH-26	Spring	1027 ± 205	VT-3, VT-4				
	RH-SH-27	Spring	907 ± 181	VT-3, VT-4				

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
10" RH-26	H-14	Rod	--	VT-3			X	
	H-15	Vertical	--	VT-3	X			
	RH-SH-24	Spring	1063 ± 213	VT-3, VT-4		X		
	RH-SH-25	Spring	921 ± 184	VT-3, VT-4			X	
Residual HX Outlet								
10" RH-27	H-17(w)	Vertical, Lateral	--	VT-3	X			2 lines of similar design
	RH-SH-37	Spring	1845 ± 369	VT-3, VT-4		X		
	H-18	Rod	--	VT-3			X	
	RH-SH-38	Spring	1531 ± 306	VT-3, VT-4	X			
	RH-SH-39	Spring	862 ± 172	VT-3, VT-4		X		
10" RH-28	H-16(w)	Vertical, Lateral	--	VT-3				
	H-19	Vertical	--	VT-3				
	RH-SH-34	Spring	1879 ± 376	VT-3, VT-4				
	RH-SH-35	Spring	1531 ± 306	VT-3, VT-4				
	RH-SH-36	Spring	862 ± 172	VT-3, VT-4				
12" RH-30	H-9	Sliding	--	VT-3			X	
Safety Injection								
6" SIH-13	H-10	Vertical, Lateral	--	VT-3	X			2 lines of similar design
	H-12	Anchor	--	VT-3		X		
6" SIH-17	H-9	Vertical, Lateral	--	VT-3				
	H-11	Anchor	--	VT-3				
Safety Injection								
10" SIH-22	SIH-SH-12	Spring	2854 ± 571	VT-3, VT-4				
	SIH-SH-11	Spring	2371 ± 474	VT-3, VT-4				
	H-3	Vertical	--	VT-3				
10" SIH-31	SIH-SH-10	Spring	1410 ± 282	VT-3. VT-4	X			
	SIH-SH-9	Spring	3744 ± 748	VT-3, VT-4		X		
	H-2	Vertical	--	VT-3			X	

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
10" SIH-42	SIH-SH-14	Spring	2562 ± 512	VT-3, VT-4				
	SIH-SH-13	Spring	2254 ± 451	VT-3, VT-4				
	H-1	Vertical, Lateral	--	VT-3				
10" CH-1	H-4	Anchor	--	VT-3	X			
	PS-1	Lateral	--	VT-3		X		
	H-2	Vertical, Lateral	--	VT-3			X	
	PS-2	Vertical	--	VT-3	X			
	H-1	Vertical	--	VT-3		X		
10" CH-2	H-7	Anchor	--	VT-3			X	
	H-501	Vertical, Lateral	--	VT-3	X			
	H-500	Rod	--	VT-3		X		
	H-3	Anchor	--	VT-3			X	
	H-503	Vertical	--	VT-3	X			
	PS-1	Vertical	--	VT-3		X		
	H-1	Vertical	--	VT-3			X	
Charging Suction 6" CH-3	CH-SH-202	Spring	515 ± 103	VT-3, VT-4				3 lines of similar design
6" CH-4	CH-SH-201	Spring	416 ± 92	VT-3, VT-4	X			
	H-502	Rod	--	VT-3		X		
6" CH-5	CH-SH-200	Spring	534 ± 107	VT-3, VT-4				
	H-149	Vertical, Lateral	--	VT-3				
10" CH-6	H-5	Vertical, Lateral	--	VT-3			X	
39" SHP-1	SHP-SH-1	Spring	16454 ± 3291	VT-3, VT-4				3 lines of similar design
	SHP-LSS-201	Shock Suppressor	--	VT-3, VT-4				
	SHP-LSS-202	Shock Suppressor	--	VT-3, VT-4				
	SHP-VSS-208	Shock Suppressor	--	VT-3, VT-4				
	SHP-SH-20	Spring	19419 ± 3884	VT-3, VT-4				
	SHP-ASS-211	Shock Suppressor	--	VT-3, VT-4				

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
SHP-1 Cont'd.	SHP-SH-21	Spring	11080 ± 2216	VT-3, VT-4				
	SHP-SH-22	Spring	8670 ± 1734	VT-3, VT-4				
	H-23	Vertical	--	VT-3				
	H-24	Rod	--	VT-3				
	H-25	Sliding		VT-3				
	SHP-ASS-214	Shock Suppressor	--	VT-3, VT-4				
	H-26	Rod	--	VT-3				
30" SHP-2	SHP-SH-2	Spring	15506 ± 3101	VT-3, VT-4	X			
	SHP-SH-3	Spring	7900 ± 1580	VT-3, VT-4		X		
	SHP-LSS-203	Shock Suppressor	--	VT-3, VT-4			X	
	SHP-LSS-204	Shock Suppressor	--	VT-3, VT-4	X			
	SHP-SH-4	Spring	8410 ± 1682	VT-3, VT-4		X		
	SHP-VSS-209	Shock Suppressor	--	VT-3, VT-4	X			
	SHP-SH-27	Spring	19585 ± 3917	VT-3, VT-4		X		
	SHP-ASS-212	Shock Suppressor	--	VT-3, VT-4			X	
	SHP-SH-28	Spring	11080 ± 2216	VT-3, VT-4	X			
	SHP-SH-29	Spring	10938 ± 2188	VT-3, VT-4		X		
	H-30	Vertical	--	VT-3			X	
	SHP-ASS-215	Shock Suppressor	--	VT-3, VT-4	X			
	H-31	Sliding	--	VT-3		X		
	H-32	Rod	--	VT-3			X	
30" SHP-3	SHP-SH-5	Spring	12763 ± 2553	VT-3, VT-4				
	SHP-SH-6	Spring	5513 ± 1103	VT-3, VT-4				
	H-6A	Vertical	--	VT-3				
	SHP-SH-7	Spring	8115 ± 1623	VT-3, VT-4				
	SHP-LSS-205	Shock Suppressor	--	VT-3, VT-4				
	SHP-LSS-206	Shock Suppressor	--	VT-3, VT-4				
	SHP-SH-8	Spring	8276 ± 1655	VT-3, VT-4				
	SHP-VSS-207	Shock Suppressor	--	VT-3, VT-4				
	SHP-SH-9	Spring	19932 ± 3986	VT-3, VT-4				
	SHP-ASS-210	Shock Suppressor	--	VT-3, VT-4				
	SHP-SH-10	Spring	11080 ± 2216	VT-3, VT-4				
	SHP-SH-11	Spring	8670 ± 1734	VT-3, VT-4				

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
SHP-3 Cont'd.	H-12	Vertical	--	VT-3				
	H-13	Rod	--	VT-3				
	H-14	Sliding	--	VT-3				
	SHP-ASS-213	Shock Suppressor	--	VT-3, VT-4				
	H-15	Rod	--	VT-3				
6" SDHV-4	H-16	Rod	--	VT-3	X			
	H-17	Vertical	--	VT-3		X		
	H-47	Axial	--	VT-3			X	
	H-18	Vertical	--	VT-3	X			
	H-19	Rod	--	VT-3		X		
	SDHV-SH-46	Spring	1897 ± 379	VT-3, VT-4			X	
Main Feedwater								
14" WFPD-4	WFPD-ASS-201	Shock Suppressor	--	VT-3, VT-4				3 lines of similar design
	WFPD-LSS-202	Shcok Suppressor	--	VT-3, VT-4				
	WFPD-SH-329	Spring	4852 ± 970	VT-3, VT-4				
	H-329	Sliding	--	VT-3				
	WFPD-SH-328	Sliding	4394 ± 879	VT-3, VT-4				
	WFPD-SH-19	Spring	3275 ± 655	VT-3, VT-4				
	WFPD-SH-20	Spring	2088 ± 418	VT-3, VT-4				
	WFPD-SH-21	Spring	3088 ± 618	VT-3, VT-4				
	WFPD-SH-22	Spring	2632 ± 526,	VT-3, VT-4				
	H-23	Sliding	--	VT-3				
	WFPD-SH-24	Spring	10263 ± 2053	VT-3, VT-4				
	H-25	Sliding	--	VT-3				
	H-26	Rod	--	VT-3				
	H-27	Rod	--	VT-3				
14" WFPD-8	WFPD-SH-327	Spring	2963 ± 593	VT-3, VT-4				
	WFPD-LSS-203	Shock Suppressor	--	VT-3, VT-4				
	WFPD-SH-2	Spring	2356 ± 471	VT-3, VT-4				
	WFPD-LSS-204	Shock Suppressor	--	VT-3, VT-4				
	H-3(w)	Sliding	--	VT-3				
	H-4(w)	Sliding	--	VT-3				
	WFPD-LSS-205	Shock Suppressor	--	VT-3, VT-4				

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
WFPD-8 Cont'd.	WFPD-LSS-206	Shock Suppressor	--	VT-3, VT-4				
	H-5	Vertical	--	VT-3				
	WFPD-SH-6	Spring	4224 ± 845	VT-3, VT-4				
	Pen. 55(w)	Anchor	--	VT-3				
	WFPD-SH-40	Spring	2709 ± 542	VT-3, VT-4				
	WFPD-SH-41	Spring	2060 ± 412	VT-3, VT-4				
	WFPD-SH-42	Spring	3080 ± 616	VT-3, VT-4				
	WFPD-SH-43	Spring	2632 ± 526	VT-3, VT-4				
	H-44	Sliding	--	VT-3				
	WFPD-SH-45	Spring	10399 ± 2080	VT-3, VT-4				
	H-46	Sliding	--	VT-3				
	H-47	Rod	--	VT-3				
14" WFPD-10	WFPD-SH-7	Spring	4030 ± 806	VT-3, VT-4	X			
	WFPD-LSS-207	Shock Suppressor	--	VT-3, VT-4		X		
	H-8	Vertical	--	VT-3			X	
	WFPD-LSS-208	Shock Suppressor	--	VT-3, VT-4	X			
	H-9	Sliding	--	VT-3		X		
	WFPD-LSS-209	Shock Suppressor	--	VT-3, VT-4			X	
	WFPD-LSS-210	Shock Suppressor	--	VT-3, VT-4	X			
	H-10	Sliding	--	VT-3		X		
	H-11	Sliding	--	VT-3			X	
	WFPD-LSS-211	Shock Suppressor	--	VT-3, VT-4	X			
	H-12	Sliding	--	VT-3		X		
	WFPD-LSS-212	Shock Suppressor	--	VT-3, VT-4			X	
	H-13	Anchor	--	VT-3	X			
	H-14	Vertical	--	VT-3		X		
	WFPD-LSS-213	Shock Suppressor	--	VT-3, VT-4			X	
	WFPD-LSS-214	Shock Suppressor	--	VT-3, VT-4	X			
	H-15	Sliding	--	VT-3		X		
	H-16	Sliding	--	VT-3			X	
	WFPD-LSS-215	Shock Suppressor	--	VT-3, VT-4	X			
	WFPD-LSS-216	Shock Suppressor	--	VT-3, VT-4		X		
	H-17	Sliding	--	VT-3			X	
	WFPD-SH-18	Spring	4378 ± 876	VT-3, VT-4	X			
	WFPD-SH-30	Spring	2705 ± 541	VT-3, VT-4			X	

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
WFPD-10 Cont'd.	WFPD-SH-31	Spring	2074 ± 415	VT-3, VT-4	X			
	WFPD-SH-32	Spring	3047 ± 609	VT-3, VT-4		X		
	H-33	Sliding	--	VT-3			X	
	H-34	Sliding	--	VT-3	X			
	WFPD-SH-35	Spring	9311 ± 1866	VT-3, VT-4		X		
	H-36	Sliding	--	VT-3			X	
	H-37	Rod	--	VT-3	X			
Aux. Feedwater								3 lines of similar design
6" WAPD-21	WAPD-SH-324	Spring	499 ± 100	VT-3, VT-4				
	H-325	Lateral	--	VT-3				
	WAPD-SH-326	Spring	316 ± 63	VT-3, VT-4				
	H-316	Anchor	--	VT-3				
	H-315	Vertical	--	VT-3				
	H-381	Vertical	--	VT-3				
	H-380	Vertical	--	VT-3				
	H-379	Anchor	--	VT-3				
6" WAPD-23	WAPD-SH-320	Spring	581 ± 116	VT-3, VT-4				
	H-321	Lateral	--	VT-3				
	WAPD-SH-322	Spring	533 ± 107	VT-3, VT-4				
	H-313	Vertical	--	VT-3				
	H-312	Anchor	--	VT-3				
	H-311	Vertical	--	VT-3				
	H-310	Vertical	--	VT-3				
	H-309	Vertical, Lateral	--	VT-3				
	H-308	Vertical	--	VT-3				
	H-307	Vertical, Lateral	--	VT-3				
	H-306	Vertical, Lateral	--	VT-3				
	H-305	Anchor	--	VT-3				
	H-304	Vertical, Lateral	--	VT-3				
	H-302	Vertical	--	VT-3				
	H-303	Vertical, Lateral	-	VT-3				
	H-369	Vertical	-	VT-3				
	H-300	Vertical, Lateral	--	VT-3				
	H-314	Vertical, Lateral	--	VT-3				

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
WAPD-23 Cont'd.	WAPD-SH-365	Spring	1231 ± 246	VT-3, VT-4				
	WAPD-SH-367	Spring	342 ± 68	VT-3, VT-4				
	H-375	Lateral	--	VT-3				
	H-374	Rod	--	VT-3				
	PS-1	Rod	--	VT-3				
	H-373	Vertical	--	VT-3				
	H-372	Anchor	--	VT-3				
6" WAPD-25	WAPD-SH-317	Spring	582 ± 116	VT-3, VT-4		X		
	H-318	Lateral	--	VT-3			X	
	WAPD-SH-319	Spring	506 ± 101	VT-3, VT-4	X			
	H-302	Vertical	--	VT-3		X		
	H-301	Anchor	--	VT-3			X	
	H-369	Vertical	--	VT-3	X			
	H-300	Vertical, Lateral	--	VT-3		X		
	H-314	Vertical, Lateral	--	VT-3			X	
	WAPD-SH-366	Spring	1149 ± 230	VT-3, VT-4	X			
	WAPD-SH-368	Spring	314 ± 63	VT-3, VT-4		X		
	H-378	Lateral	--	VT-3	X			
	H-377	Rod	--	VT-3		X		
	H-376	Vertical	--	VT-3			X	
	H-371	Anchor	--	VT-3	X			
Containment Spray								
10" CS-1	CS-SH-1	Spring	427 ± 85	VT-3, VT-4		X		
	PS-1	Vertical	--	VT-3			X	
	Pen. 50(w)	Anchor	--	VT-3	X			
	H-61	Rod	--	VT-3		X		
	CS-SH-99	Spring	1529 ± 306	VT-3, VT-4			X	
	H-60	Vertical, Lateral	--	VT-3	X			
10" CS-2	CS-SH-PS1	Spring	1530 ± 306	VT-3, VT-4		X		
	H-59	Vertical	--	VT-3			X	
	H-23	Vertical	--	VT-3		X		

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
CS-2 Cont'd.	H-24	Vertical	--	VT-3			X	
	H-25	Vertical	--	VT-3	X			
	H-26	Vertical	--	VT-3		X		
	H-27	Vertical	--	VT-3			X	
	H-28	Vertical	--	VT-3	X			
	H-29	Vertical	--	VT-3		X		
	H-30	Vertical	--	VT-3			X	
	H-31	Vertical	--	VT-3	X			
	H-32	Vertical	--	VT-3		X		
	H-42	Anchor	--	VT-3			X	
	H-43	Vertical	--	VT-3	X			
	H-44	Vertical	--	VT-3		X		
	H-45	Vertical, Lateral	--	VT-3			X	
	H-46	Vertical	--	VT-3	X			
	H-47	Vertical	--	VT-3		X		
	CS-SH-33	Spring	3716 ± 743	VT-3, VT-4			X	
8" CS-3	CS-SH-98	Spring	534 ± 107	VT-3, VT-4	X			2 lines of similar design
	H-64	Vertical, Lateral	--	VT-3		X		
8" CS-4	H-62	Vertical, Lateral	--	VT-3				
	CS-SH-100	Spring	534 ± 107	VT-3, VT-4				
6" CS-6	H-41	Vertical	--	VT-3			X	
	H-65	Vertical, Lateral	--	VT-3	X			
	PS-1	Vertical	--	VT-3		X		
6" CS-8	H-16	Vertical	--	VT-3			X	
	H-5	Vertical, Lateral	--	VT-3	X			
	CS-SH-97	Spring	464 ± 93	VT-3, VT-4		X		
	PS-1	Vertical	--	VT-3			X	
	H-65	Vertical, Lateral	--	VT-3	X			
18" CS-11	H-50	Vertical	--	VT-3		X		
	H-49	Vertical, Lateral	--	VT-3			X	
	H-48	Rod	--	VT-3	X			

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
18" CS-12	CS-SH-83	Spring	1784 ± 357	VT-3, VT-4		X		
	CS-SH-84	Spring	3020 ± 604	VT-3, VT-4			X	
16" CS-13	CS-SH-74A	Spring	7277 ± 1455	VT-3, VT-4				2 lines of similar design
	H-74B	Lateral	--	VT-3				
	CS-SH-76	Spring	8408 ± 1682	VT-3, VT-4				
	H-53	Anchor	--	VT-3				
	H-54	Vertical	--	VT-3				
16" CS-14	CS-SH-78	Spring	4362 ± 872	VT-3, VT-4	X			
	H-75	Lateral	--	VT-3		X		
	CS-SH-80	Spring	8408 ± 1682	VT-3, VT-4			X	
	H-51	Anchor	--	VT-3	X			
	H-52	Vertical	--	VT-3		X		
14" CS-15	CS-SH-77	Spring	2107 ± 421	VT-3, VT-4			X	
	CS-SH-82	Spring	4586 ± 917	VT-3, VT-4	X			
	CS-SH-81	Spring	2107 ± 421	VT-3, VT-4		X		
14" CS-16	CS-SH-79	Spring	1587 ± 317	VT-3, VT-4			X	
14" CS-17	CS-SH-78	Spring	1538 ± 308	VT-3, VT-4	X			
10" CS-21	CS-SH-88	Spring	734 ± 147	VT-3, VT-4		X		
	H-87	Vertical	--	VT-3			X	
	H-57	Anchor	--	VT-3	X			
	CS-SH-91	Spring	3374 ± 675	VT-3, VT-4		X		
	CS-SH-92	Spring	746 ± 149	VT-3, VT-4			X	
10" CS-22	CS-SH-89	Spring	3374 ± 675	VT-3, VT-4	X			
	CS-SH-90	Spring	746 ± 149	VT-3, VT-4		X		
	H-56	Anchor	--	VT-3			X	
	H-55	Vertical	--	VT-3	X			
	CS-SH-93	Spring	397 ± 79	VT-3, VT-4		X		
10" CS-23	CS-SH-85	Spring	2498 ± 500	VT-3, VT-4			X	
	CS-SH-86	Spring	928 ± 186	VT-3, VT-4	X			

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
6" CS-30	H-70	Vertical, Lateral	--	VT-3		X		
	H-69	Anchor	--	VT-3			X	
	H-68	Vertical, Lateral	--	VT-3	X			
	H-67	Vertical, Lateral	--	VT-3		X		
	H-66	Anchor	--	VT-3			X	
	CS-SH-94	Spring	413 ± 83	VT-3, VT-4	X			
	CS-SH-18	Spring	900 ± 180	VT-3, VT-4		X		
10" CS-36	CS-SH-22	Spring	815 ± 163	VT-3, VT-4			X	2 lines of similar design Relief 14
	H-2	Anchor	--	VT-3	X			
	CS-SH-3	Spring	1281 ± 256	VT-3, VT-4		X		
	H-4	Lateral	--	VT-3			X	
	H-5	Anchor	--	VT-3	X			
	H-6	Lateral	--	VT-3		X		
	CS-SH-39	Spring	661 ± 132	VT-3, VT-4			X	
	H-73	Anchor	--	VT-3	X			
10" CS-37	H-34	Lateral	--	VT-3				
	H-35	Anchor	--	VT-3				
	H-36	Lateral	--	VT-3				
	CS-SH-37	Spring	661 ± 132	VT-3, VT-4				
	H-15	Anchor	--	VT-3				
8" CS-38	H-8	Rod	--	VT-3		X		2 lines of similar design Relief 14
	H-9	Rod	--	VT-3			X	
	H-10	Rod	--	VT-3	X			
	H-40	Anchor	--	VT-3		X		
	H-12	Rod	--	VT-3			X	
	H-13	Rod	--	VT-3	X			
	H-14	Rod	--	VT-3		X		
	H-72	Anchor	--	VT-3			X	
	H-16	Rod	--	VT-3	X			
	H-38	Rod	--	VT-3		X		
	H-41	Anchor	--	VT-3			X	
	H-19	Rod	--	VT-3	X			
	H-20	Rod	--	VT-3		X		
	H-21	Rod	--	VT-3			X	

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
8" CS-39	H-16	Rod	--	VT-3				
	H-38	Rod	--	VT-3				
	H-17	Rod	--	VT-3				
	H-18	Anchor	--	VT-3				
	H-19	Rod	--	VT-3				
	H-20	Rod	--	VT-3				
	H-21	Rod	--	VT-3				
	H-7	Anchor	--	VT-3				
	H-8	Rod	--	VT-3				
	H-9	Rod	--	VT-3				
	H-10	Rod	--	VT-3				
	H-11	Anchor	--	VT-3				
	H-12	Rod	--	VT-3				
	H-13	Rod	--	VT-3				
	H-14	Rod	--	VT-3				
Steam Generators								
E-1-1	1-SS-1	Shock Suppressor	--	VT-3, VT-4	X			
	1-SS-2	Shock Suppressor	--	VT-3, VT-4	X			
	1-SS-3	Shock Suppressor	--	VT-3, VT-4		X		
	1-SS-4	Shock Suppressor	--	VT-3, VT-4		X		
	1-SS-5	Shock Suppressor	--	VT-3, VT-4		X		
	1-SS-6	Shock Suppressor	--	VT-3, VT-4			X	
	1-SS-7	Shock Suppressor	--	VT-3, VT-4			X	
	1-SS-8	Shock Suppressor	--	VT-3, VT-4			X	
E-1-2	2-SS-1	Shock Suppressor	--	VT-3, VT-4				
	2-SS-2	Shock Suppressor	--	VT-3, VT-4				
	2-SS-3	Shock Suppressor	--	VT-3, VT-4				
	2-SS-4	Shock Suppressor	--	VT-3, VT-4				
	2-SS-5	Shock Suppressor	--	VT-3, VT-4				
	2-SS-6	Shock Suppressor	--	VT-3, VT-4				
	2-SS-7	Shock Suppressor	--	VT-3, VT-4				
	2-SS-8	Shock Suppressor	--	VT-3, VT-4				

SAFETY CLASS 2 COMPONENT SUPPORTS

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
E-1-3	3-SS-1	Shock Suppressor	--	VT-3, VT-4				
	3-SS-2	Shock Suppressor	--	VT-3, VT-4				
	3-SS-3	Shock Suppressor	--	VT-3, VT-4				
	3-SS-4	Shock Suppressor	--	VT-3, VT-4				
	3-SS-5	Shock Suppressor	--	VT-3, VT-4				
	3-SS-6	Shock Suppressor	--	VT-3, VT-4				
	3-SS-7	Shock Suppressor	--	VT-3, VT-4				
	3-SS-8	Shock Suppressor	--	VT-3, VT-4				

3.0 SAFETY CLASS 2 RELIEF REQUESTS

RELIEF REQUEST

Number: 10

System: Chemical and Volume Control

Safety Class: 2

Line(s)/Component(s): CH-24, CH-25, CH-26 and CH-27

Requirements: Subparagraph IWC-5222(a) - The System Hydrostatic Test pressure shall be at least 1.25 times the system design pressure (P_D).

Basis for Relief: The charging pump recirculation lines listed above have a design pressure of 2750 psig. There are no test connections which would permit these lines to be tested while isolated from the suction side of the charging pumps. The charging pump suction piping has a design pressure of 150 psig and would be overpressurized if exposed to the pressure of 3438 psig, which is 1.25 times the recirculation line design pressure.

Alternate Testing: The recirculation lines will be included in the hydrostatic test boundary for the suction side piping. The test pressure is 188 psig (1.25 x 150 psig).

RELIEF REQUEST

Number: 11

System: Safety Injection

Safety Class: 2

Line (s)/Component(s): SIH-20, SIH-22, SIH-30, SIH-31, SIH-33, SIH-34, SIH-41, SIH-42, RC-48, RC-49, RC-50, RC-51, RC-52 and RC-43

Requirements: Table IWB-2500-1-The components shall be subject to a system leakage test prior to startup following each reactor refueling outage.

Basis for Relief: The lines listed above are not subjected to full Reactor Coolant System pressure during the Reactor Coolant System leak test. The design of the system is such that there are two check valves installed in the safety injection lines for each loop to prevent overpressurization of the upstream lower pressure residual heat removal lines. These lines are subject to volumetric examination in accordance with the requirements of IWB-2000 and are subject to periodic hydrostatic testing at or near the end of the inspection interval in accordance with Paragraph IWA-5210.

Alternate Testing: None

RELIEF REQUEST

Number: 12

System: Chemical and Volume Control; Seal Water Return from the Reactor Coolant Pumps

Safety Class: 2/3

Line(s)/Component(s): CH-77, CH-81, CH-82, CH-83, CH-92, CH-95, CH-249, CH-251, CH-253, CH-255, CH-257, CH-258, DRL-121 and DRL-122

Requirement: Paragraph IWD-1210 - The examination requirements of IWD shall apply to Class 3 pressure retaining components and their integral attachments.

Basis for Relief: The Seal Water System was classified as Safety Class 3 based on ANSI N18.2-1973. Due to the design of the reactor coolant pump seals, however, it has been determined that the return lines (listed above) are not required for the functioning of "Components Important to Safety" (i.e., the reactor coolant pumps), which is the criteria used to classify components as Quality Group C under Regulatory Guide 1.26. A failure of any of these lines would not necessitate the shutdown of the reactor coolant pumps or significantly affect plant safety. Therefore, these lines are functionally NNS and are exempt from testing.

Alternate Testing: None

RELIEF REQUEST

Number: 13

System: Main and Auxiliary Feedwater

Safety Class: 2

Line(s)/Component(s): WFPD-3, WFPD-4, WFPD-7, WFPD-8, WFPD-9, WFPD-10, WFPD-15, WFPD-16, WFPD-17, WAPD-21, WAPD-23 and WAPD-25

Requirement: Subparagrpah IWC-5222 - The system hydrostatic test pressure shall be at least 1.25 times the system design pressure (P_D).

Basis for Relief: There is no isolation valve between the main and auxiliary feed lines listed above and the associated steam generators. The design pressure of the lines is 1250* psig, but the design pressure for the steam generators is only 985 psig. Therefore, the feed lines cannot be tested to the code required 1560 psig without overpressurizing the steam generators and main feed piping.

Alternate Testing: The main and auxiliary feed lines listed will be tested to 1230 psig (1.25 x 985 psig) along with the steam generators and main steam lines.

* Normal operating pressure is 1000 psig.

RELIEF REQUEST

Number: 14

System: Containment Spray

Safety Class: 2

Line(s)/Component(s): CS-36, CS-37, CS-38 and CS-39

Requirement: Perform a surface examination on 50% of the pressure boundary welds during the 40 year life of the plant. Perform a visual examination on 100% of the supports on one train in a system containing multiple trains of similar design each inspection interval.

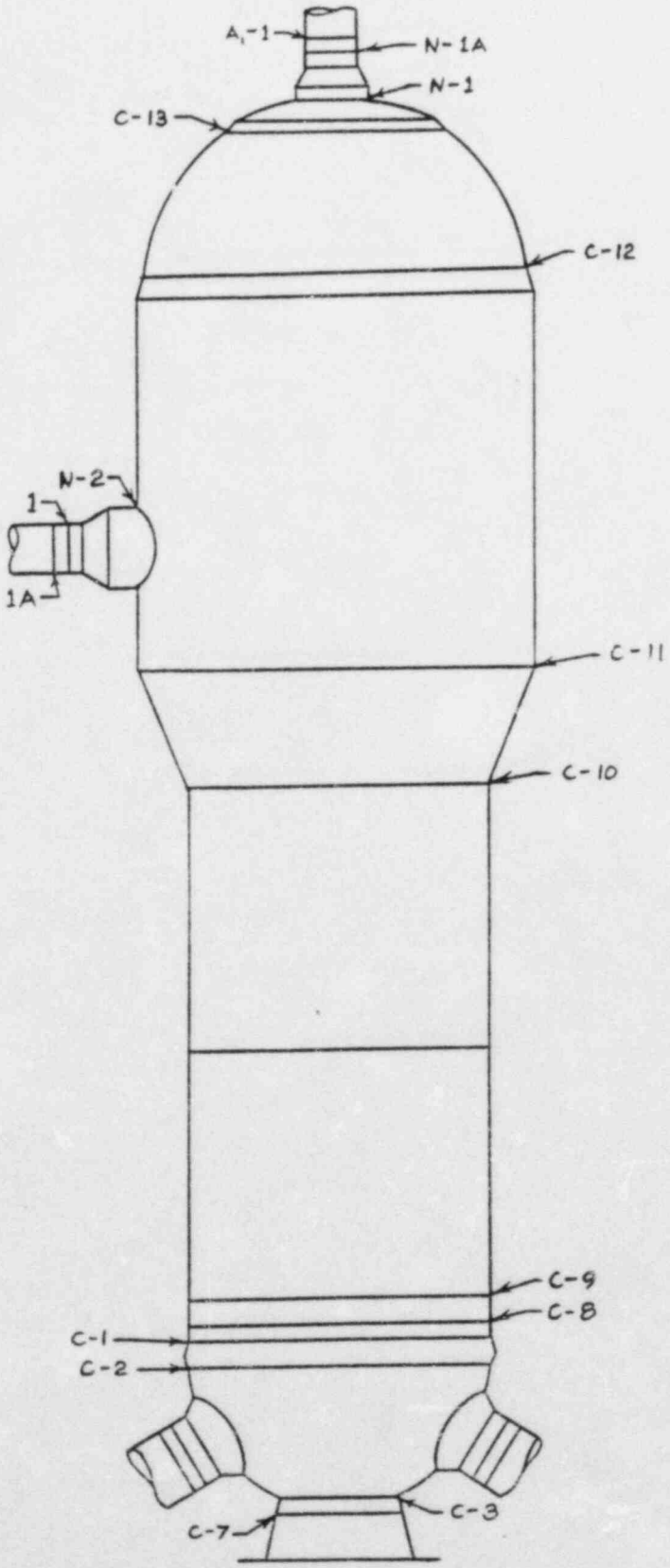
Relief Request: Relief is requested from the required surface examination of the pressure boundary welds and the visual examination of the supports, located beyond the spray ring isolation valves.

Basis for Relief: These pipe lines form the containment spray rings located at an elevation of 145' which is 38' above the highest accessible surface in containment. This piping is not readily accessible and to be made accessible would be a major task and would be highly dangerous. Also, this system has never been in operation and never will be unless post accident containment pressure rises above 20 psig, therefore, this piping is not subjected to vibration and cyclic loading which is found in normally operating systems. Inservice related degradation of the components of this system is highly unlikely.

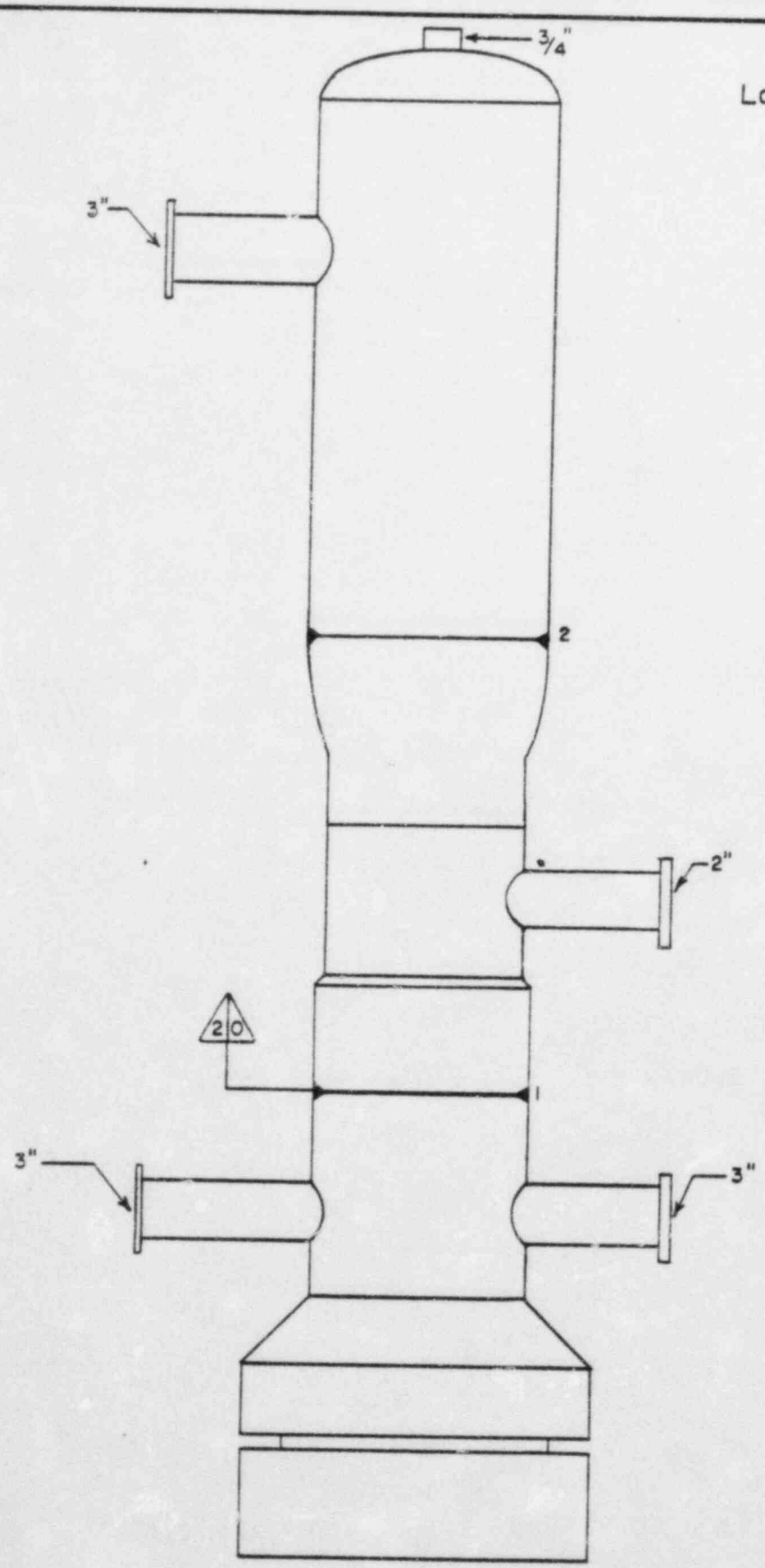
Alternate Testing: Inservice examinations shall be performed on the components up to and including the spray ring isolation valves.

4.0 SAFETY CLASS 2 DRAWINGS

STEAM GENERATOR
(3 TYP.)



DRG. # MY-151-2-1



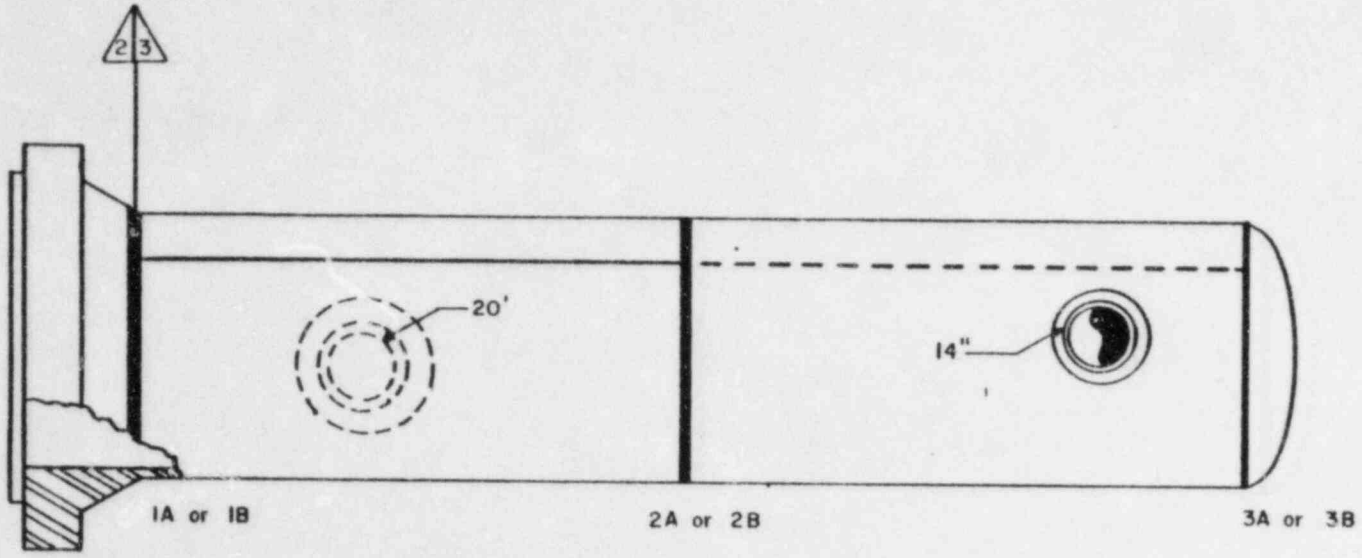
Location: Lower P.A.B. Catwalk

DBC # MY-151-2-2

SEAL WATER HEATER
E-96

Ref. Drawing: Vendor 4.30-11B

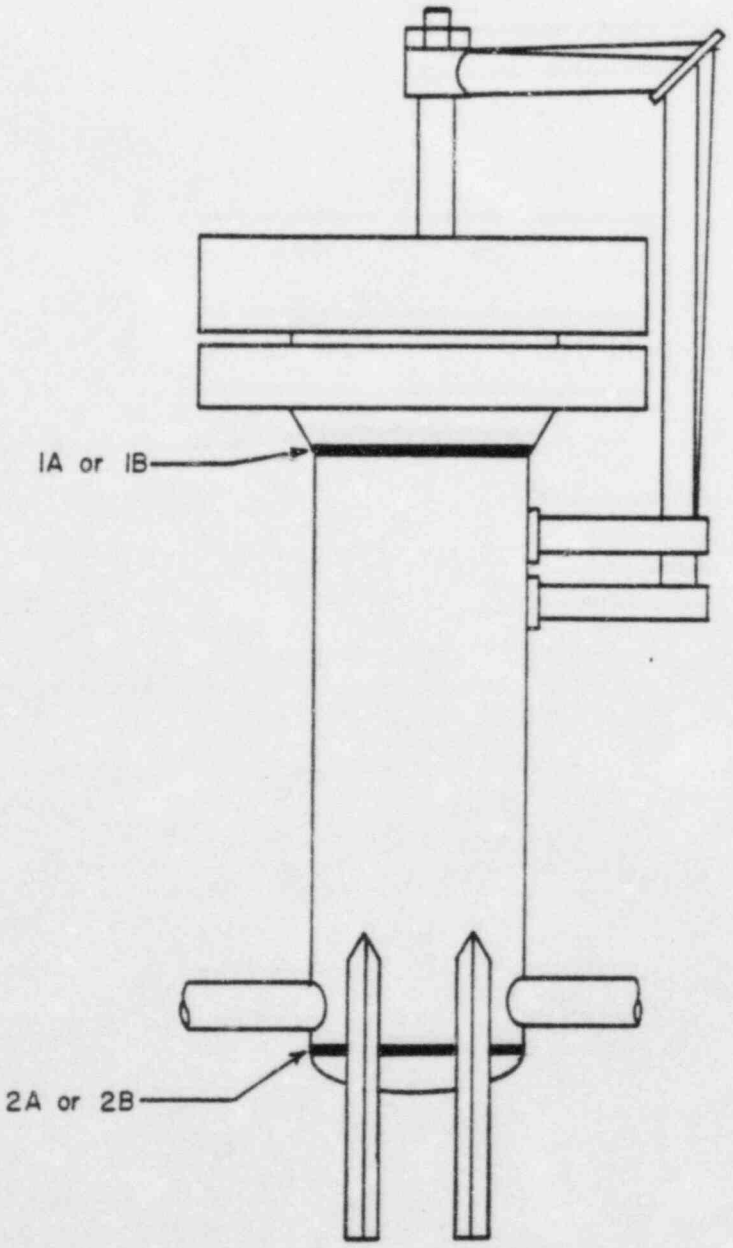
LOCATION: Cont. Spray Pump Area Elev. 14' 6"



RESIDUAL HEAT EXCHANGER
E-3A or E-3B
Ref. Vendor Drawing: 4.23-4B

DRG. # MY-151-2-3

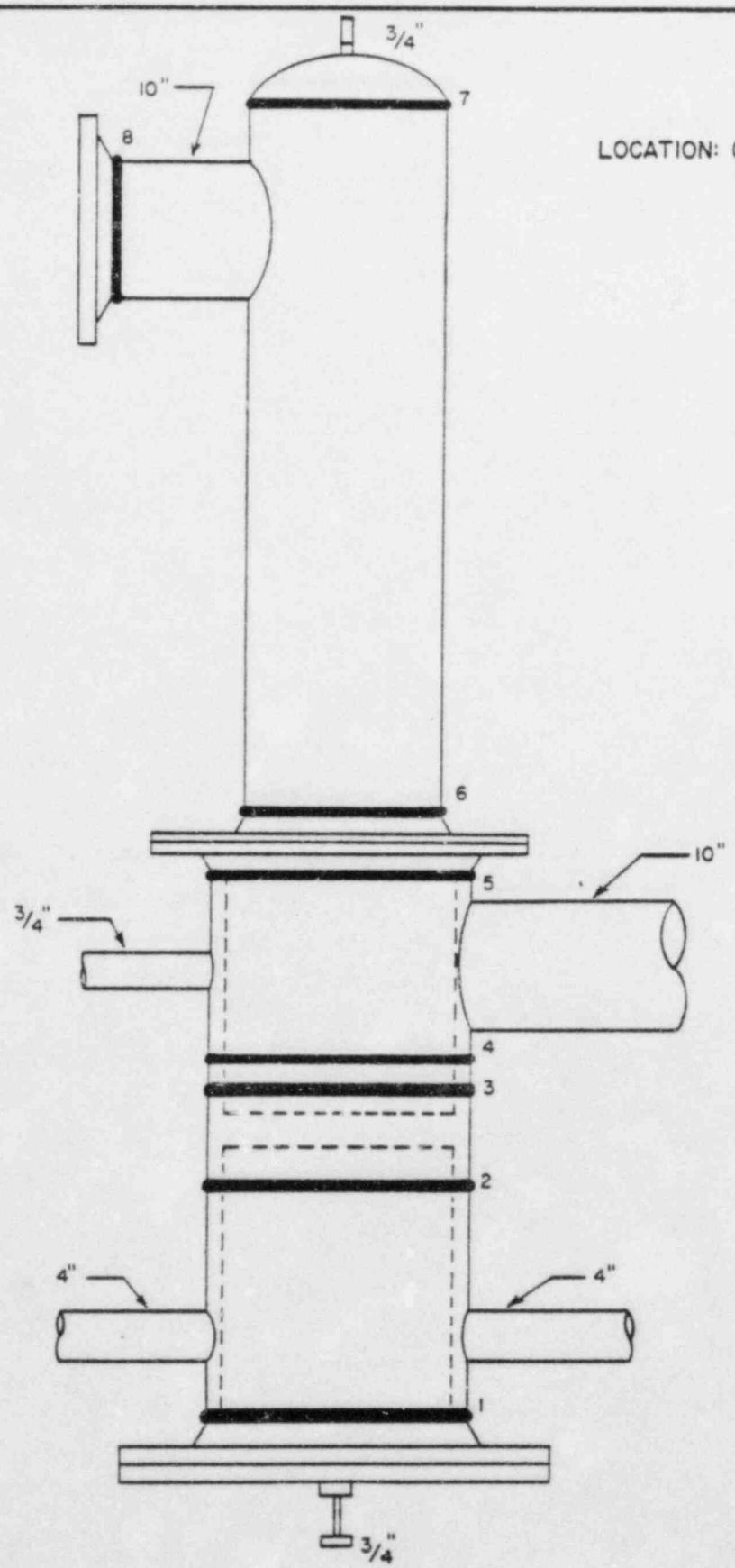
LOCATION: Lower PAB



DBG # MK-151-2-4

SEAL WATER SUPPLY
FILTERS FL-34A,B

Ref. Drawing: Vendor 2.80-6



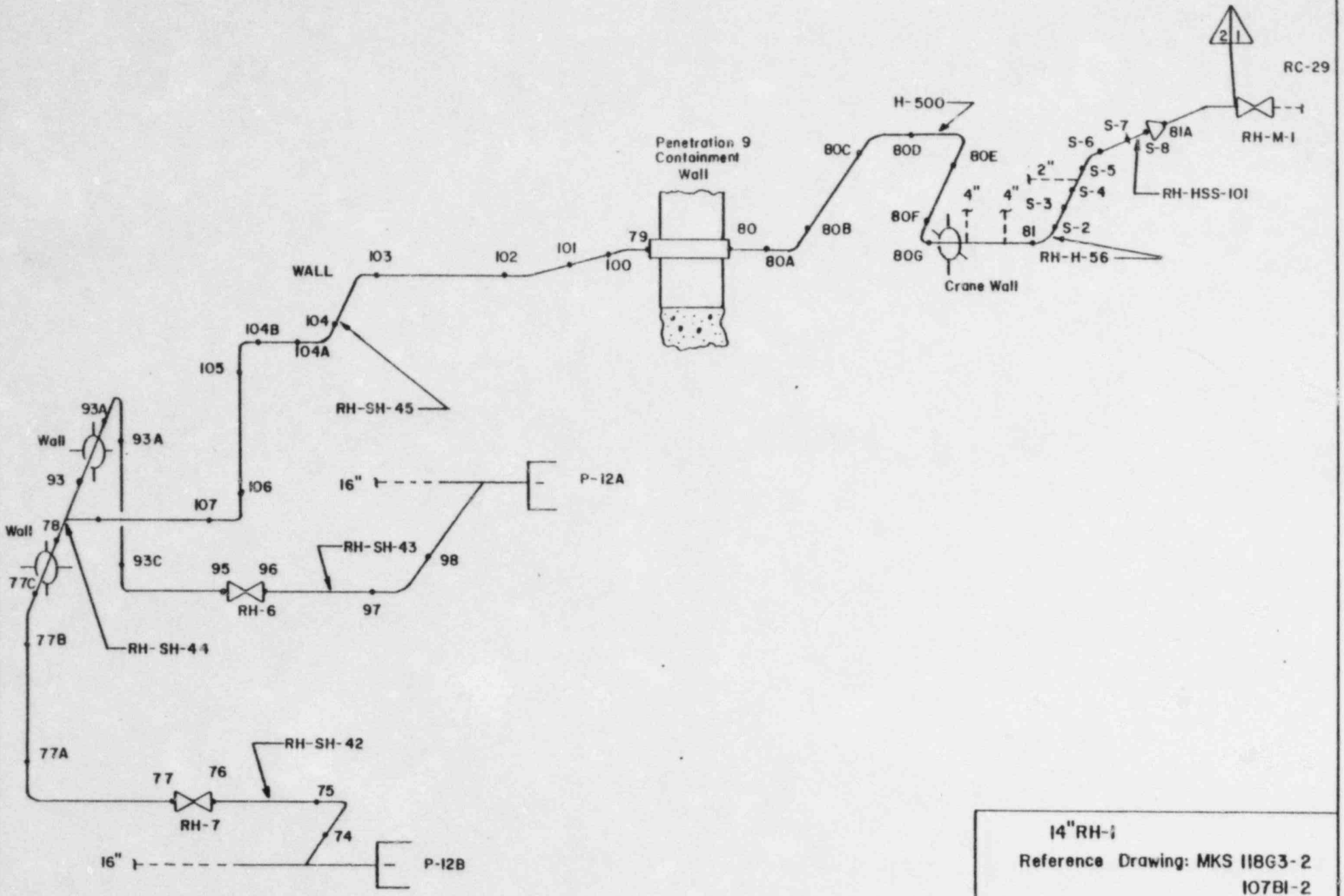
LOCATION: Containment Spray Pump Area

DRG. # MY-151-2-5

LETDOWN HEAT EXCHANGER

Ref. Drawing: Vendor 4.30-118

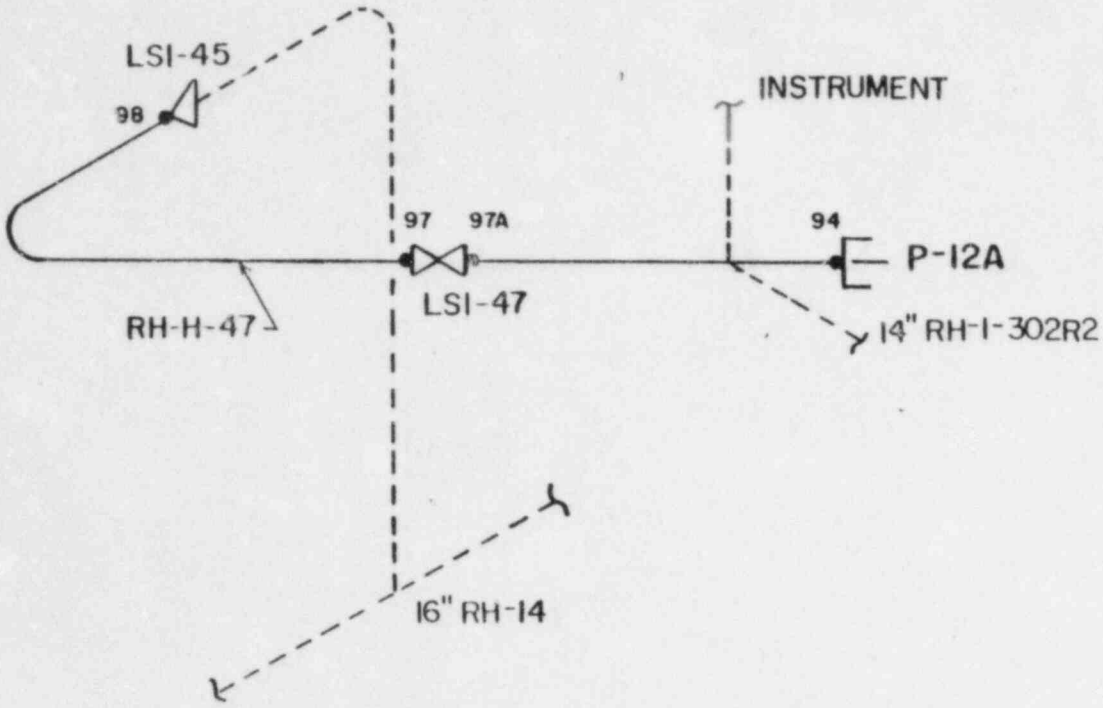
Locatic. Containment elevation 8'
Spray Building: elevation -5'



14"RH-1
Reference Drawing: MKS 11863-2
10781-2
Weld Follower RH-4

DRG.# MY-191-2-6

LOCATION: CONT. SPRAY PUMP AREA

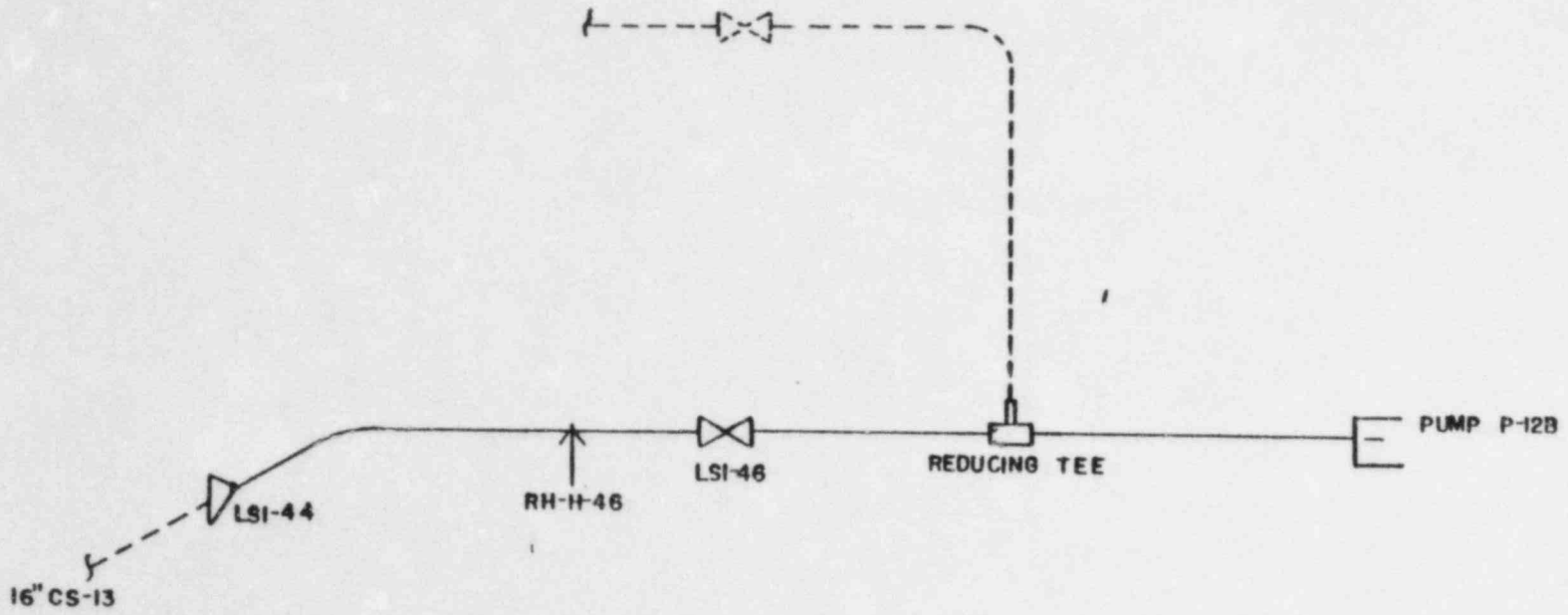


Ref. Drawings: MKS 118G2
118G3

16" RH-3-302R2
1 HANGER

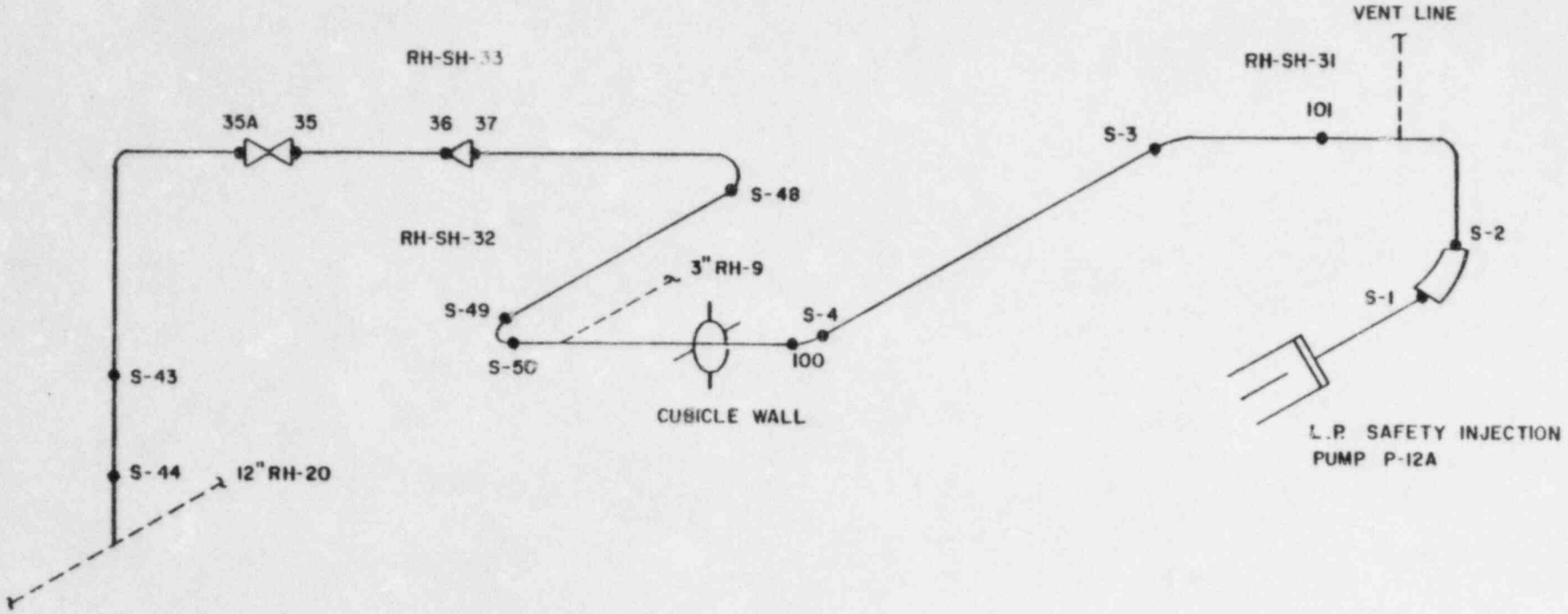
DRG. # MY-151-2-7

LOCATION: CONT. SPRAY BLDG.



16" RH-4 SC-2
1 HANGER

DRG. # MY-1SI-2-B

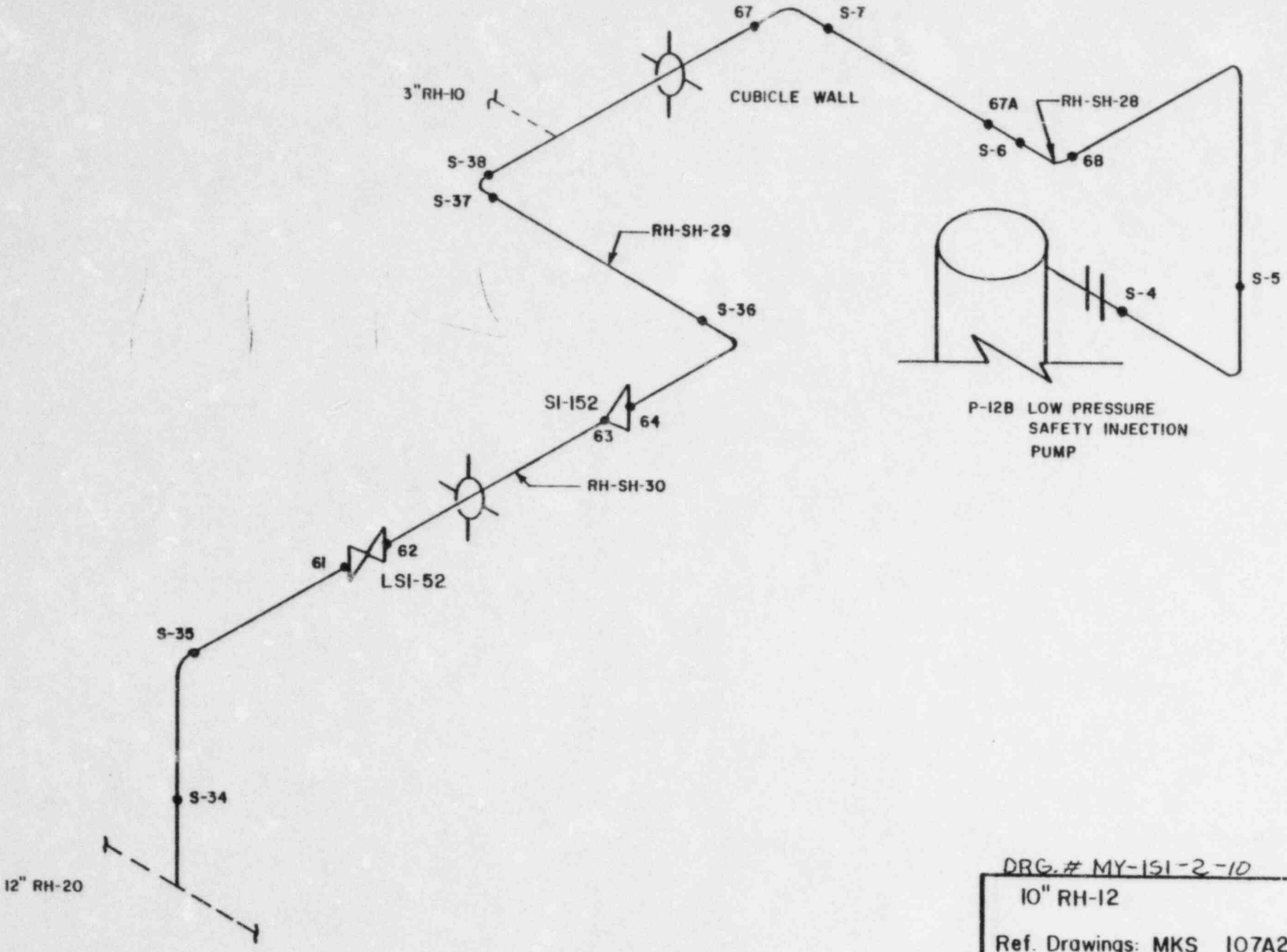


10" RH-11

Ref. Drawing: MKS 107A1

Location: Containment Spray Bldg.

DRG. # MY-151-2-9



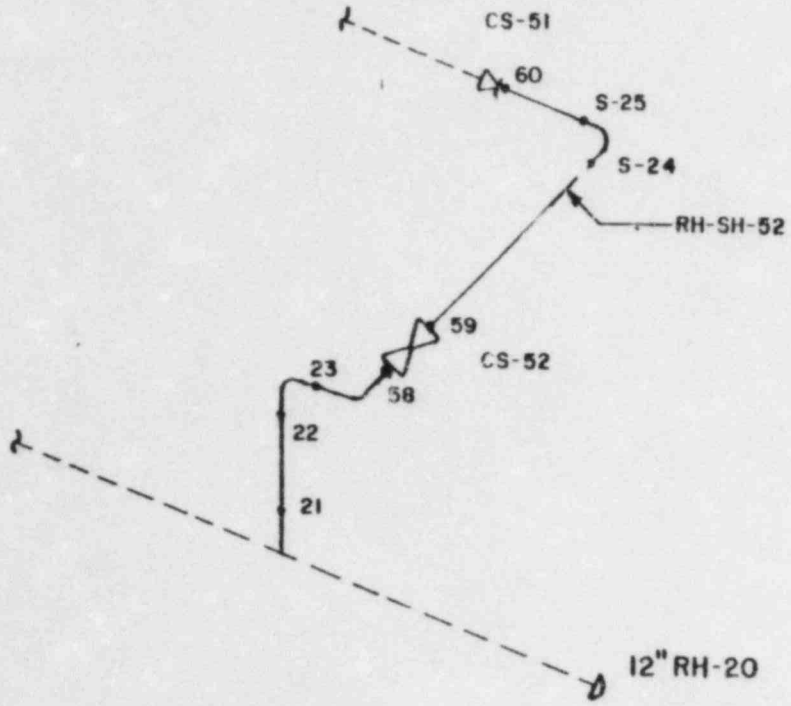
DRG. # MY-151-2-10

10" RH-12

Ref. Drawings: MKS 107A2

Location: Containment Spray Building

Location: Containment Spray Building

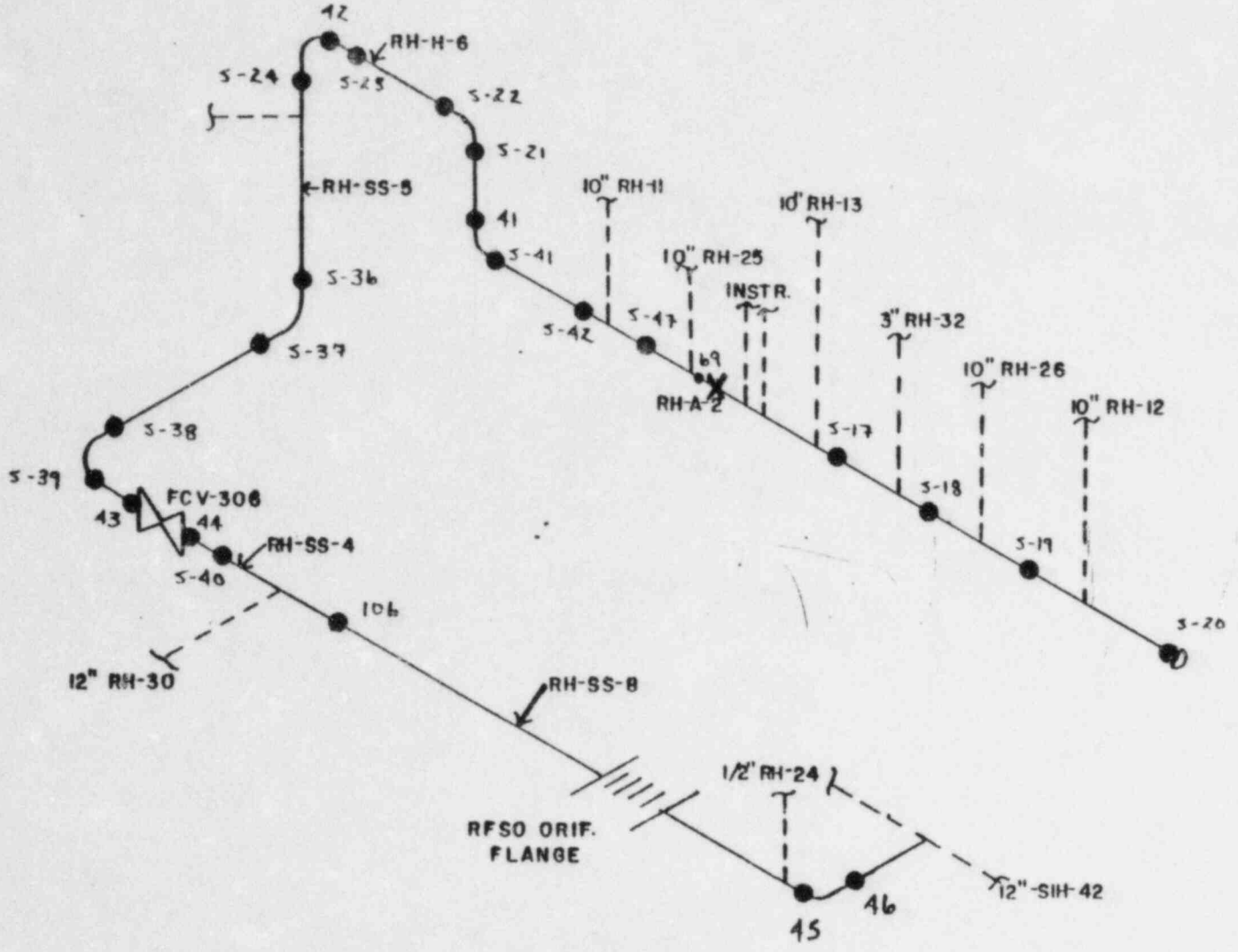


10" RH-13
Reference Drawing:
MKS 107C2
Weld Follower RH-3

DRG. # MY-151-2-11

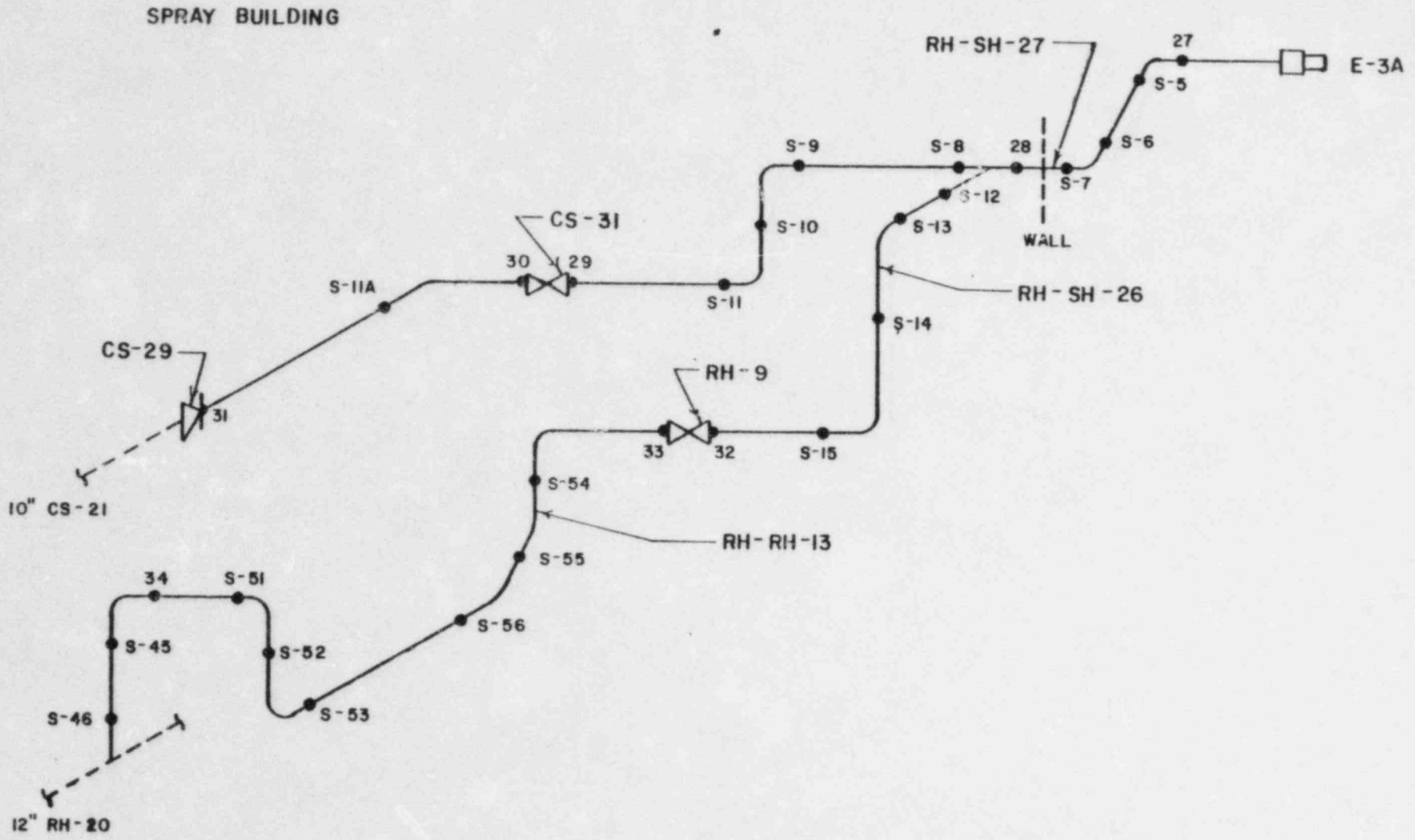
Location: Containment Spray Bldg.

LOCATION; CONT. SPRAY PUMP AREA



12" RH-20 SC-2
5 HANGERS
Ref. Drawings: MKS 118F4, 107A2, 106A1, 107C2, 107A1, 118B

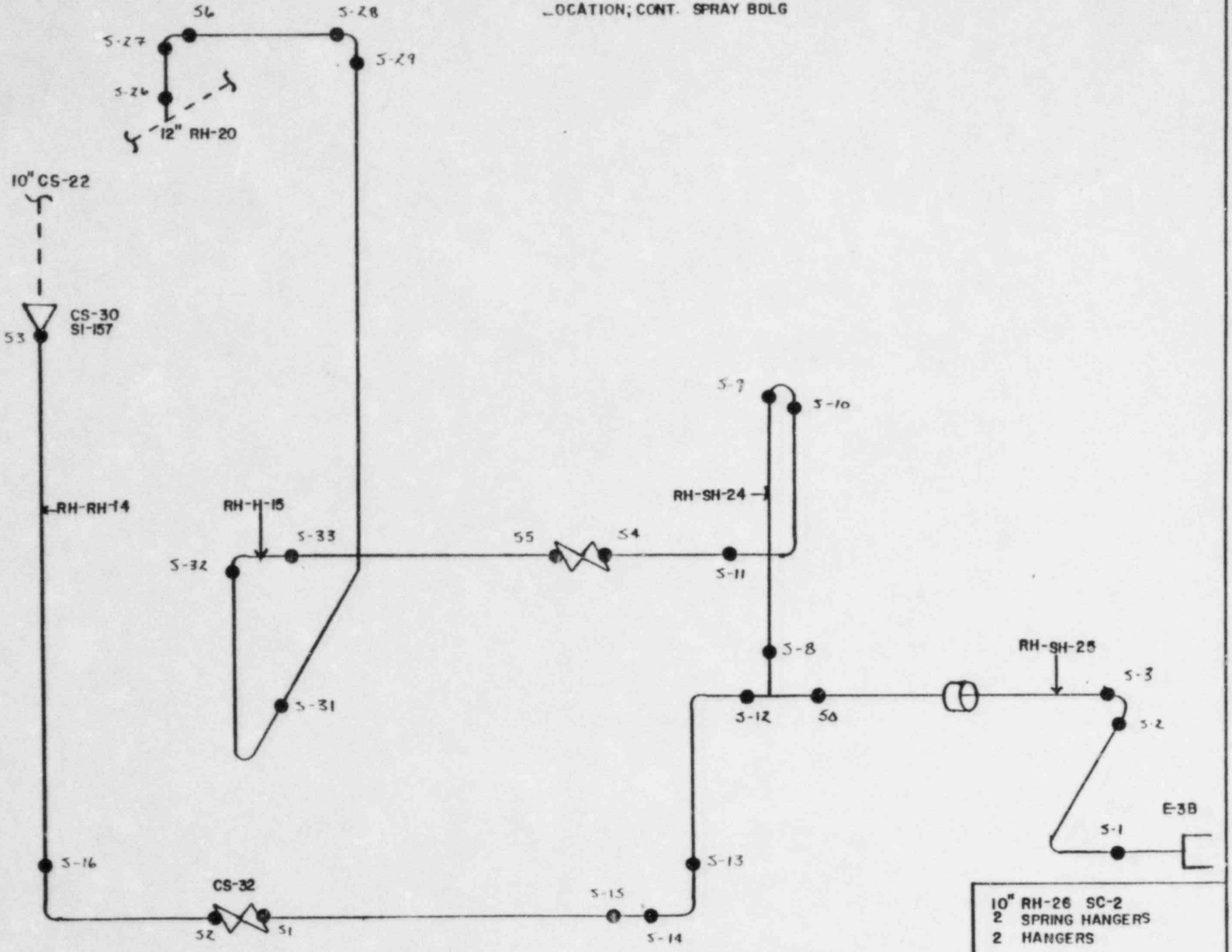
DRG. # MY-191-2-12

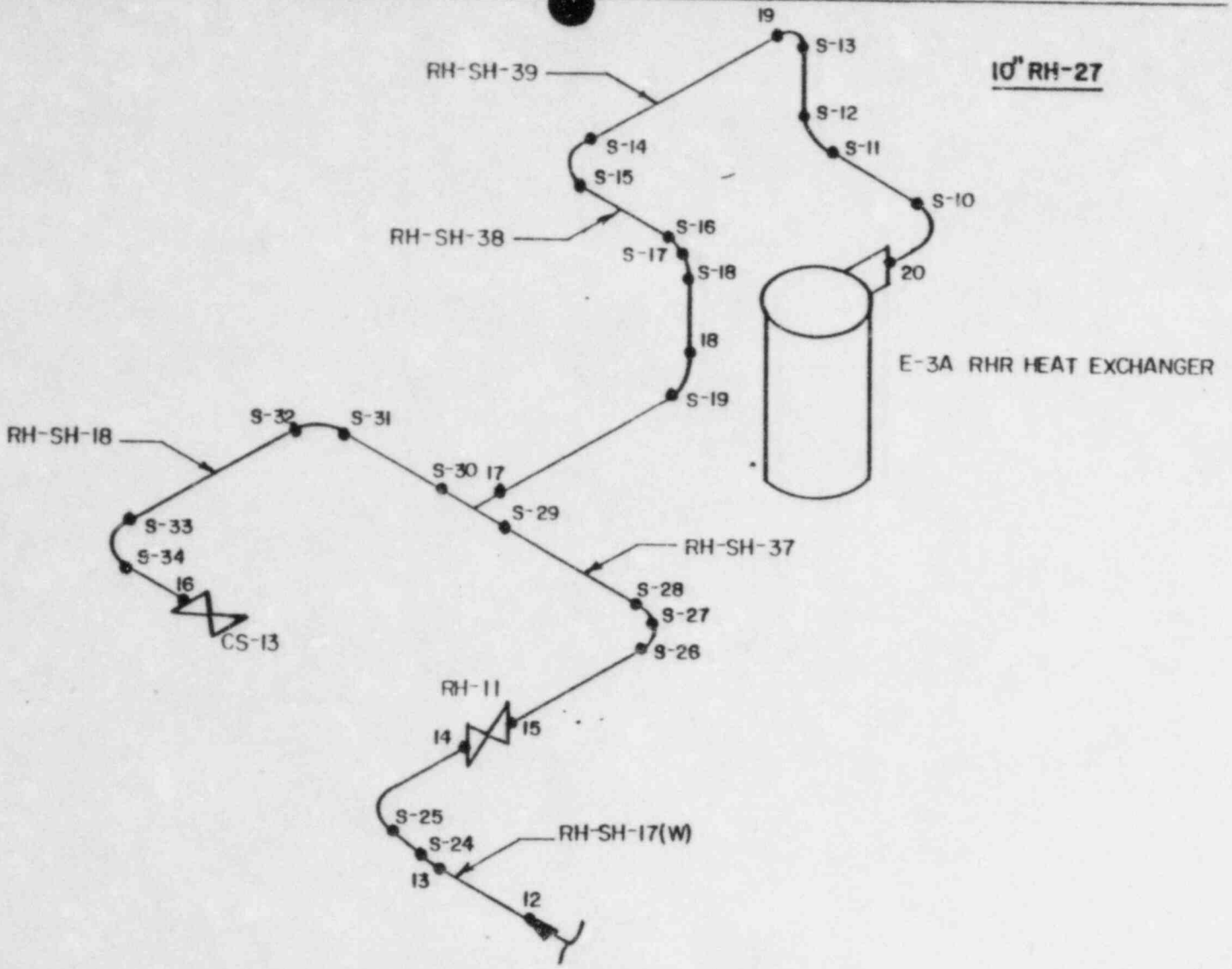


DRG. # MY-151-2-13

REF. MKS 10703

10" RH-25-302R2
28 WELDS
3 SUPPORTS


LOCATION; CONT. SPRAY BDLG
S6
S-28
S-27
S-29
S-26
12" RH-20
10" CS-22
CS-30
SI-157
S3
S-7
S-10
RH-SH-24
RH-RH-14
RH-H-15
S-33
S-32
S5
S4
S-11
S-8
RH-SH-25
S-3
S-31
S-12
S6
S-2
E-38
S-1
S-16
S-13
CS-32
S-15
S2
S1
S-14
10" RH-26 SC-2
2 SPRING HANGERS
2 HANGERS
REF. DRAWING: MKS 1071
PRG.# MY-151-2-14



LOCATION: SPRAY PUMP AREA

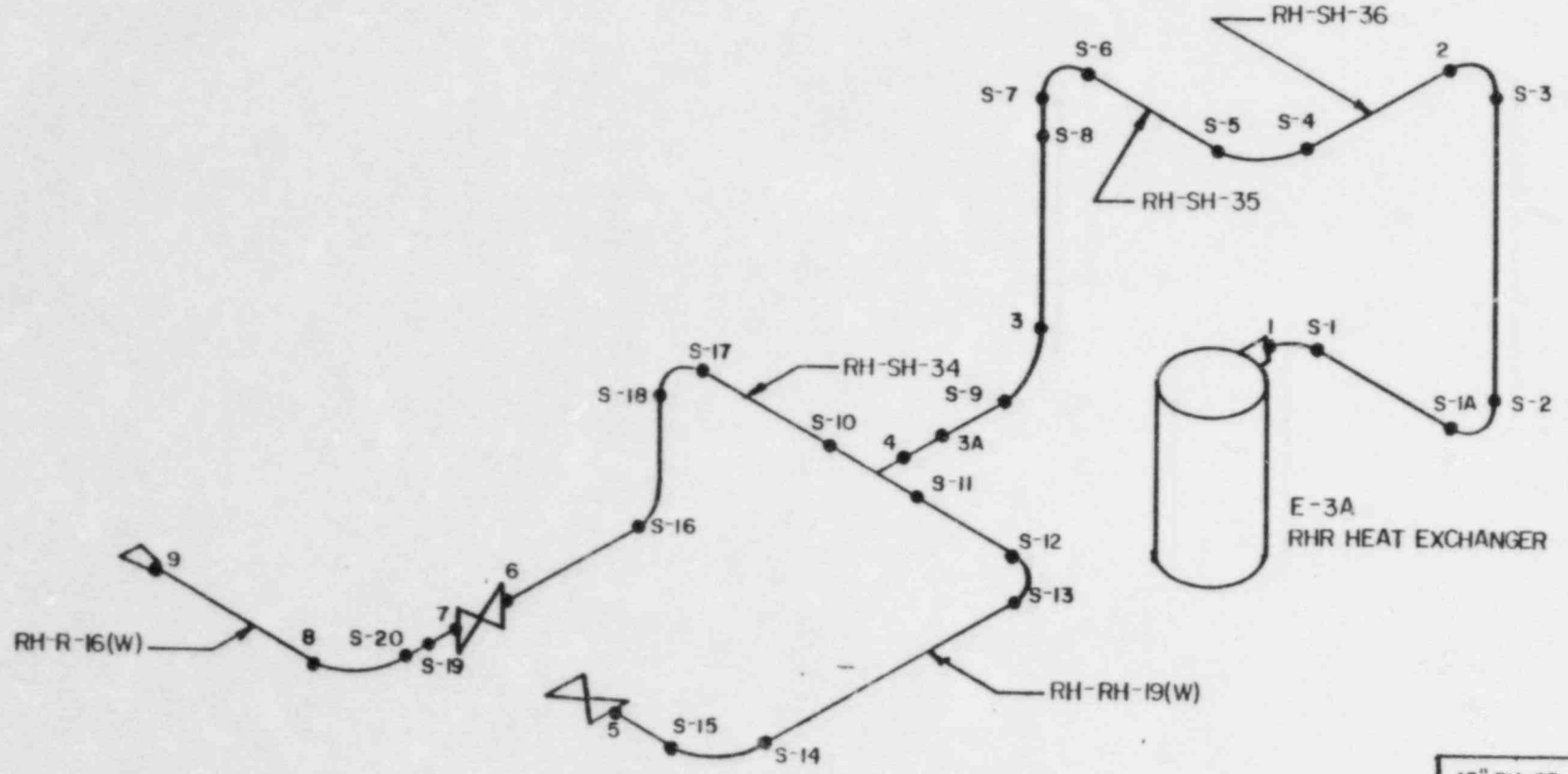
DRG. # MY-151-2-15

REF. MKS 118F1-3

10" RH-27
30 WELDS
5 HANGERS

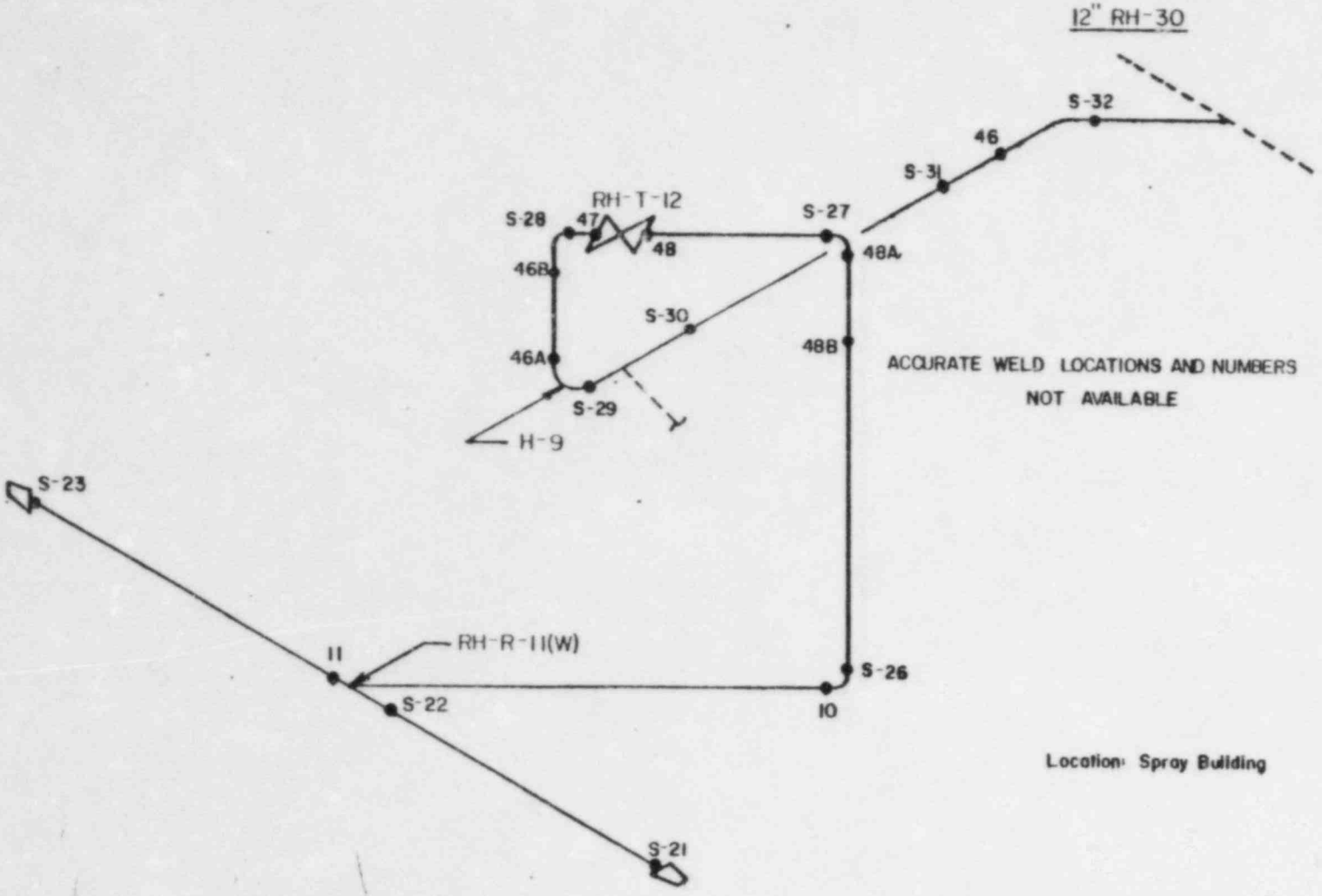
10" RH-28

LOCATION: SPRAY PUMP AREA



DRG # MY-151-2-16

10" RH-28
31 WELDS
5 HANGERS

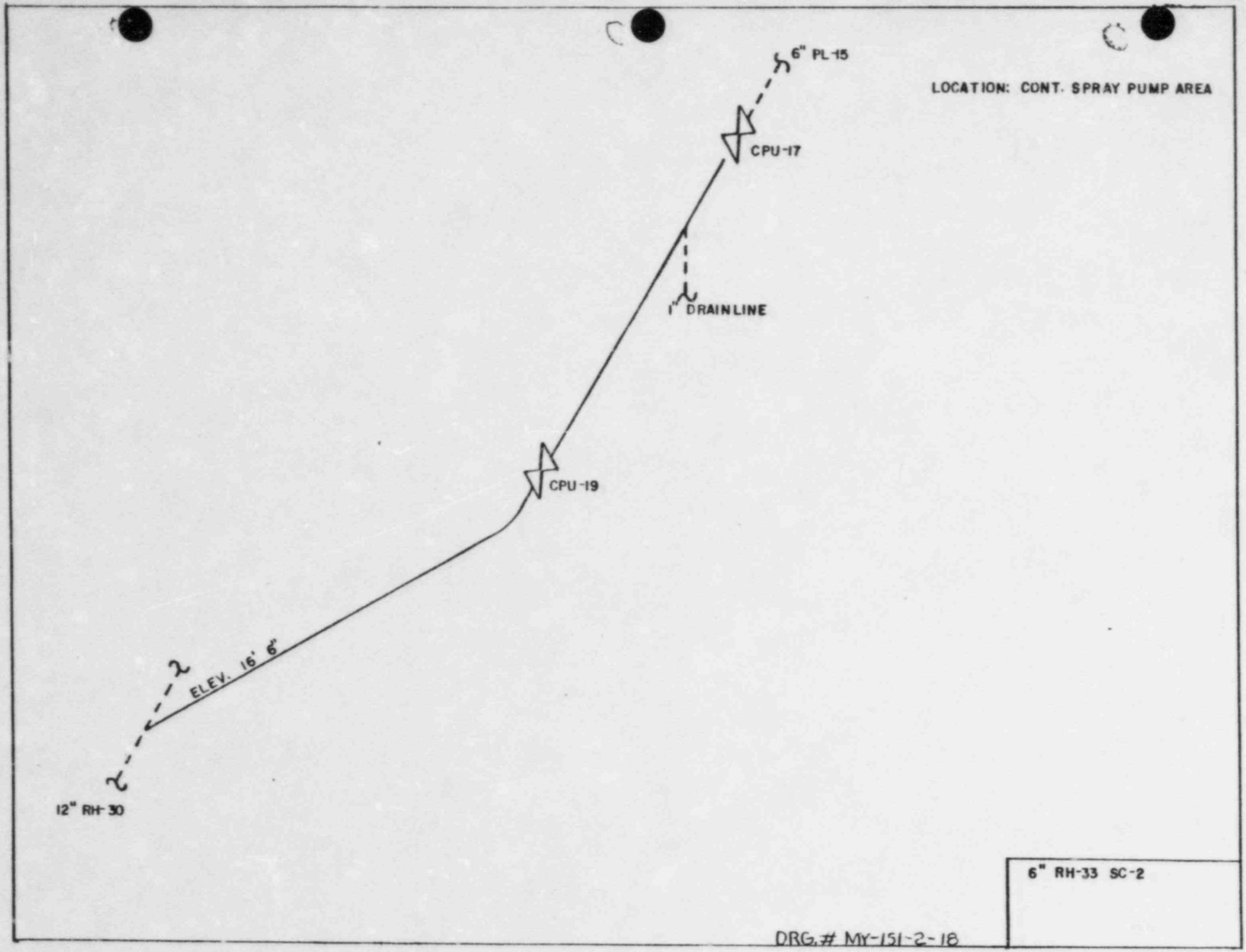


ACCURATE WELD LOCATIONS AND NUMBERS NOT AVAILABLE

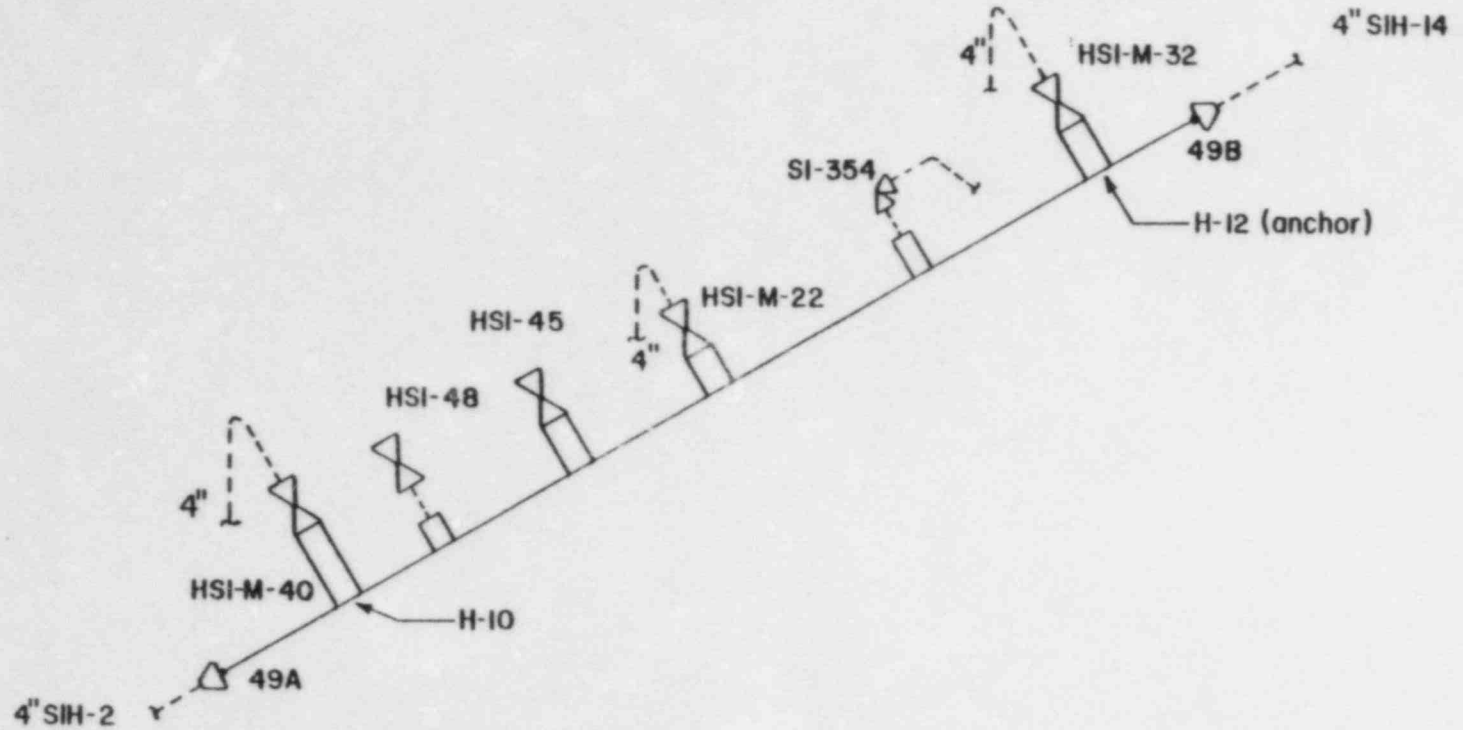
Location: Spray Building

DRG. # MY-151-2-17

12" RH-30
MKS 107A1 RH-2
WELD FOLLOWER RH-1


6" PL-15
LOCATION: CONT. SPRAY PUMP AREA
CPU-17
1" DRAINLINE
CPU-19
ELEV. 16' 6"
12" RH-30
6" RH-33 SC-2
DRG. # MY-151-2-18

Location: PAB, Valve Room



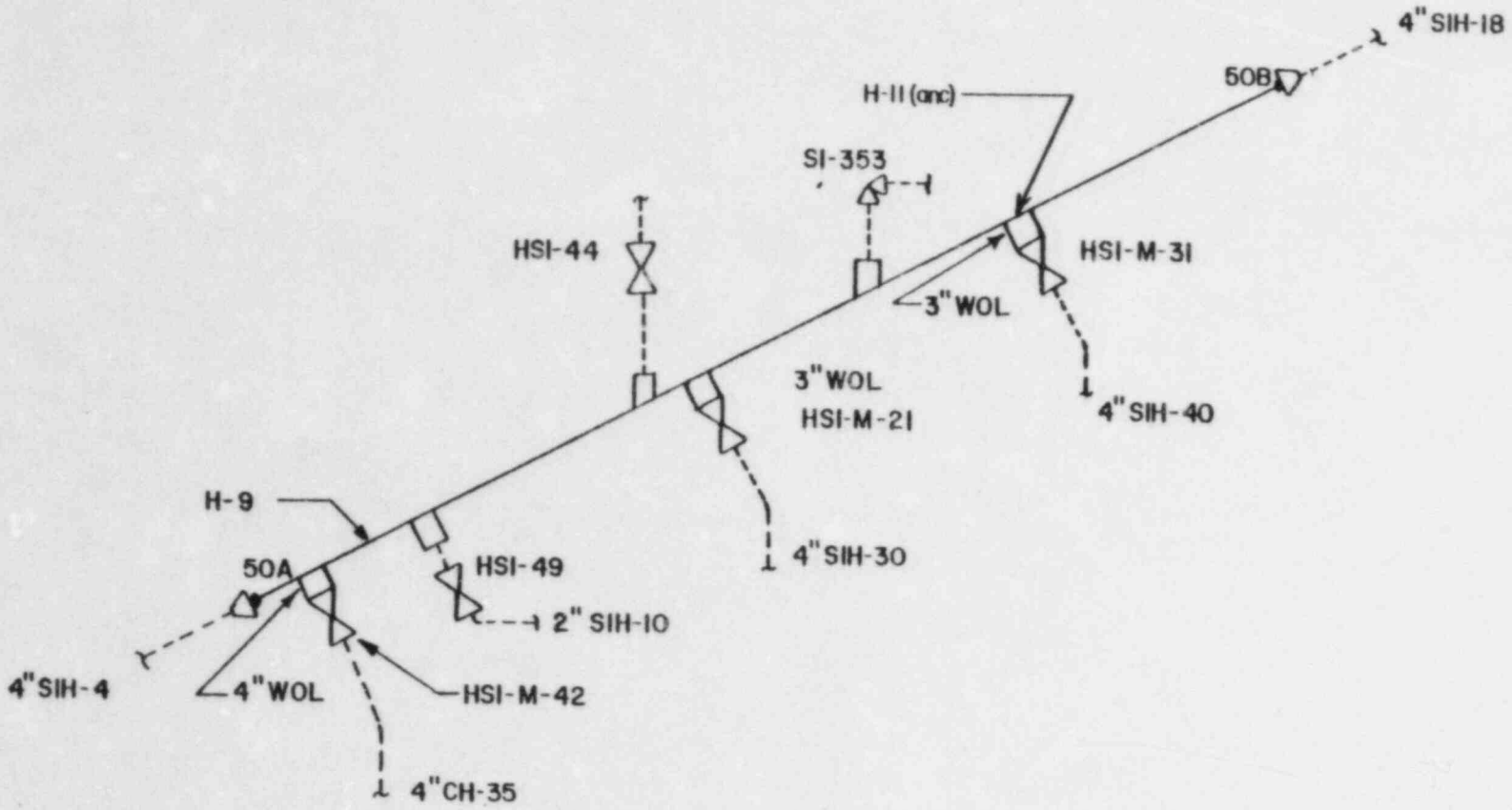
6" SIH-13

Ref. Drawing: MKS 1040A2
1040A3

Weld Follower SIH-5

DRG. # MY-131-2-19

LOCATION: PAB, Valve Room

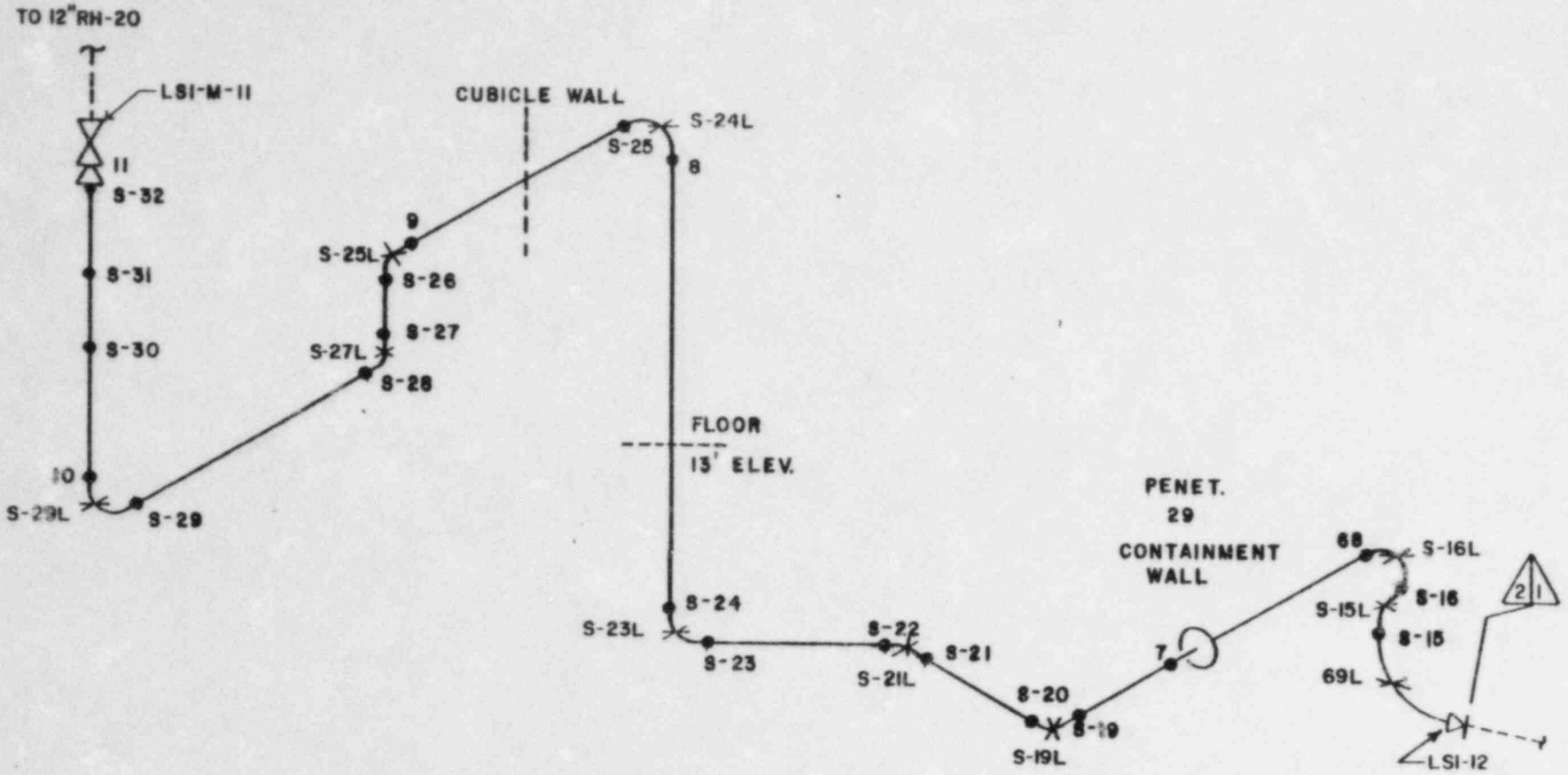


6" SIH-17

Reference Drawing: MKS 1040A2

Weld Follower SIH-5

ORG. # MY-151-2-20

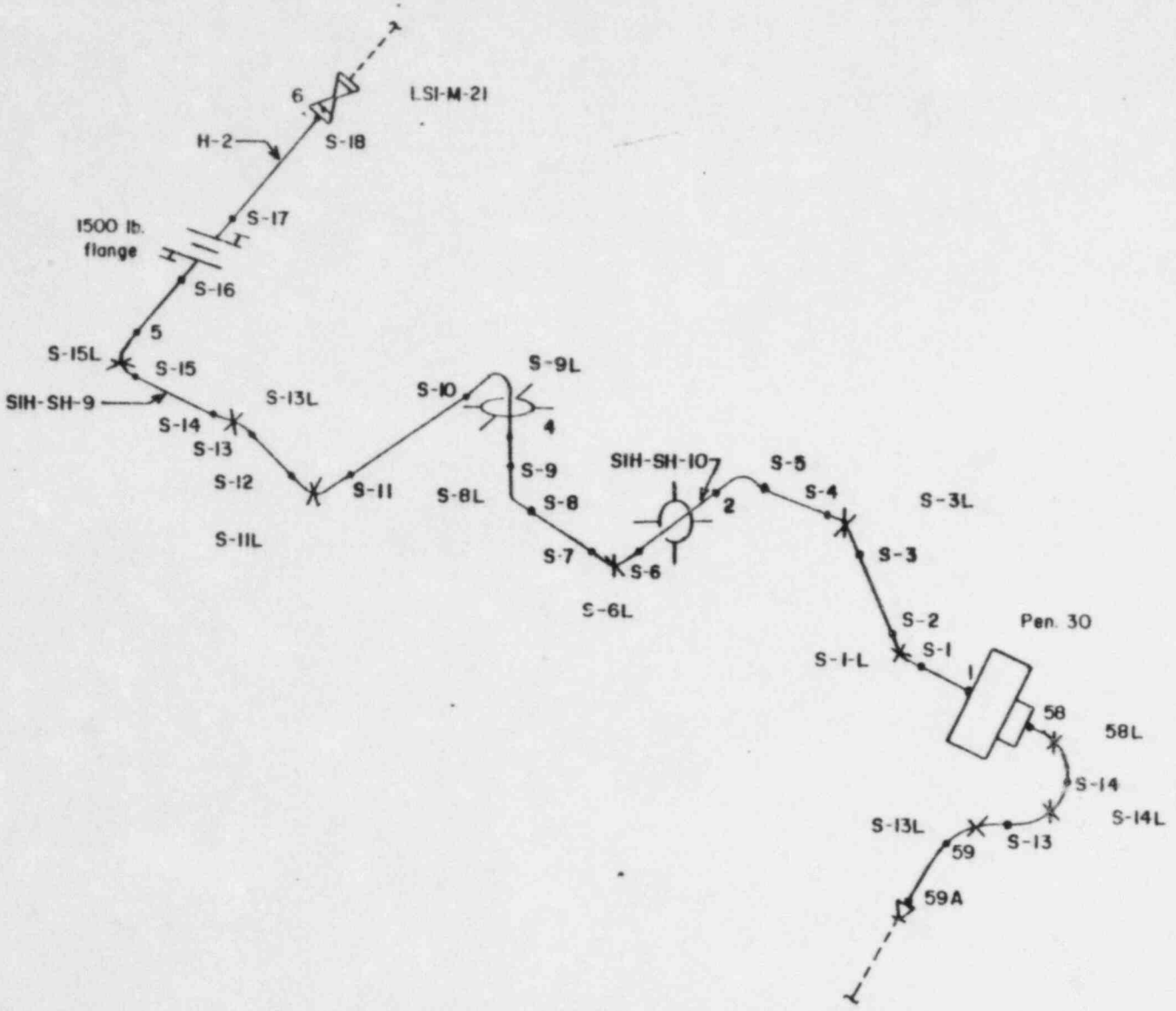


LOCATION: SPRAY BUILDING

DRG. # MY-151-2-21

10" SIH-22 SC-2
REF. MKS 10681

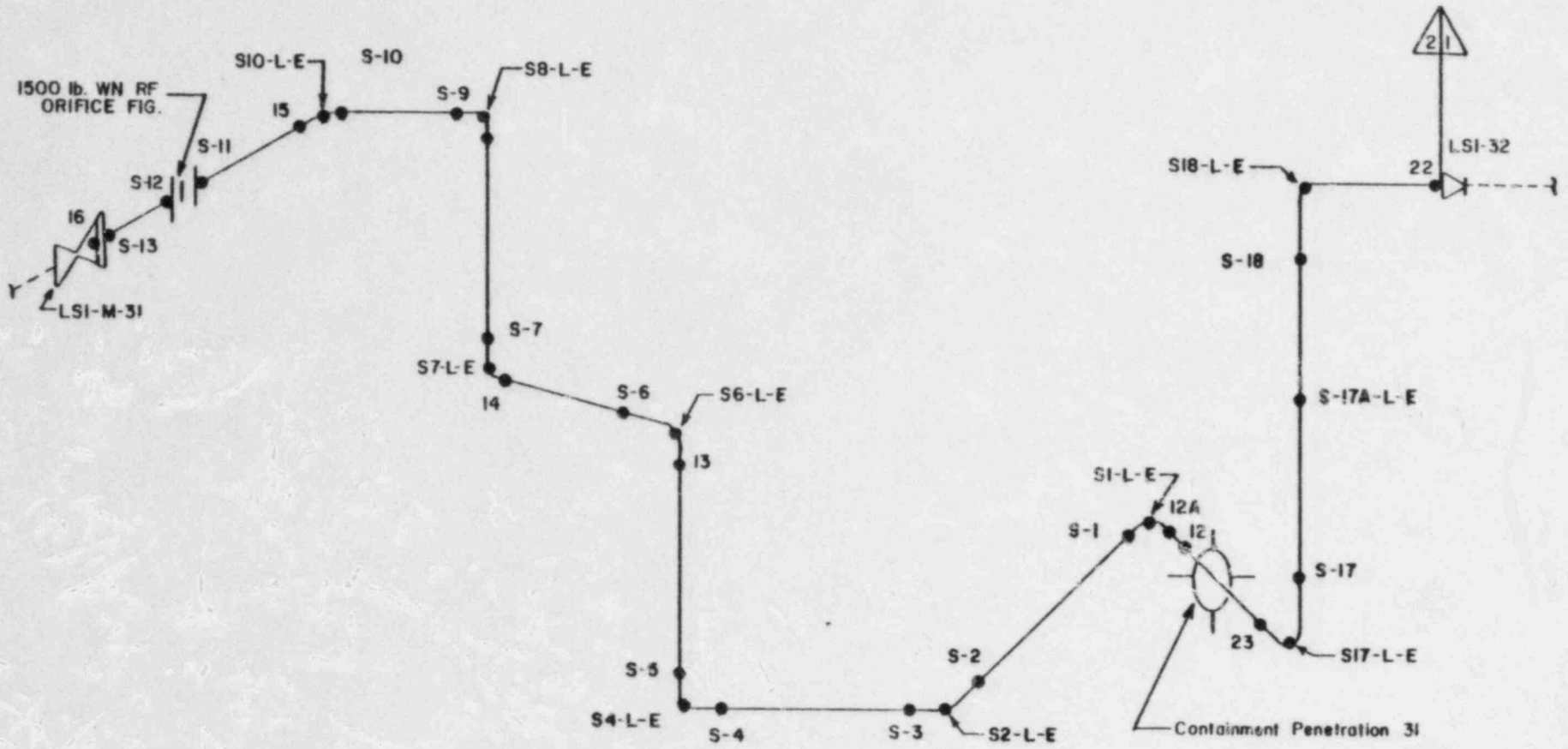
Location: Spray Building



10" SIH-31
Ref. drawings: MKS-106A2
Weld Follower SIH-1, SIH-8

DRG # MY-151-2-22

LOCATION: Spray Building



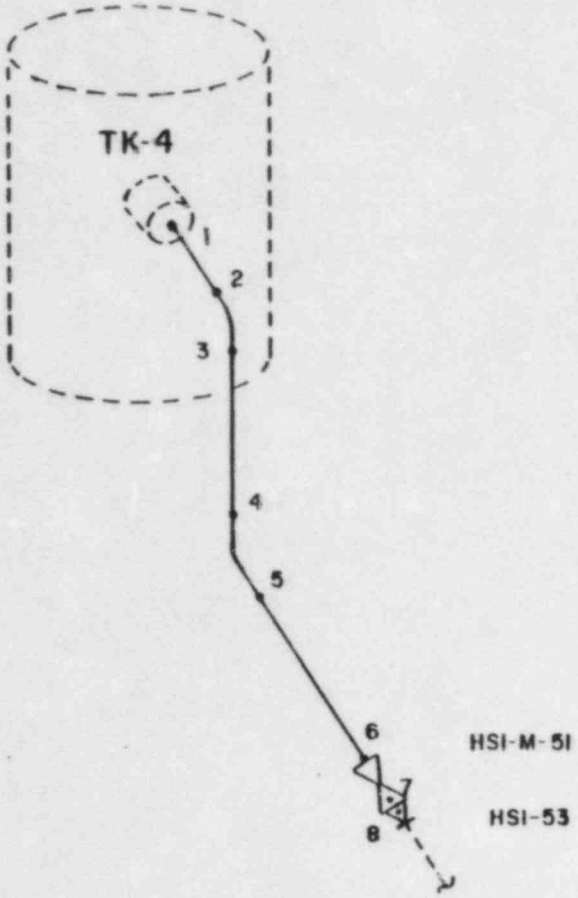
10" SIH-42 SC-2

Ref. Drawing MKS 106A2

Weld Follower SIH-2

DRG. # MY-151-2-23

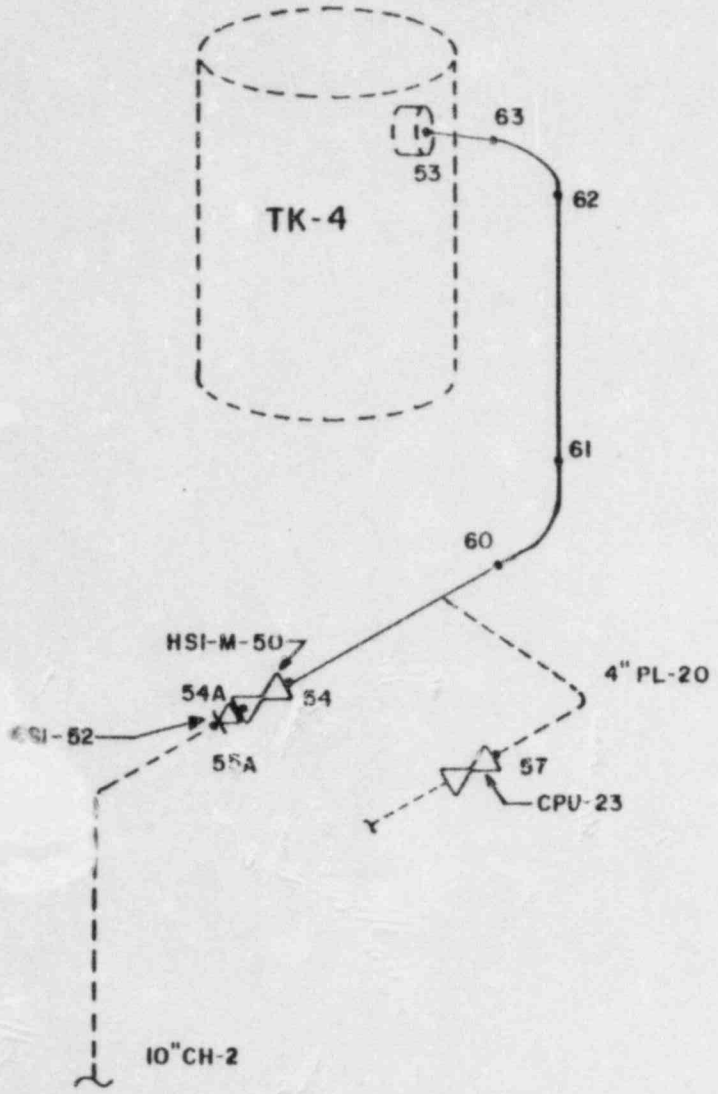
LOCATION: YARD



10" SIH-51

Ref. Drawing: MKS 1044A1

DBG. # MY-151-2-24



Location: Yard

10" SIH-52

Ref. Drawing: MKS 1044A1

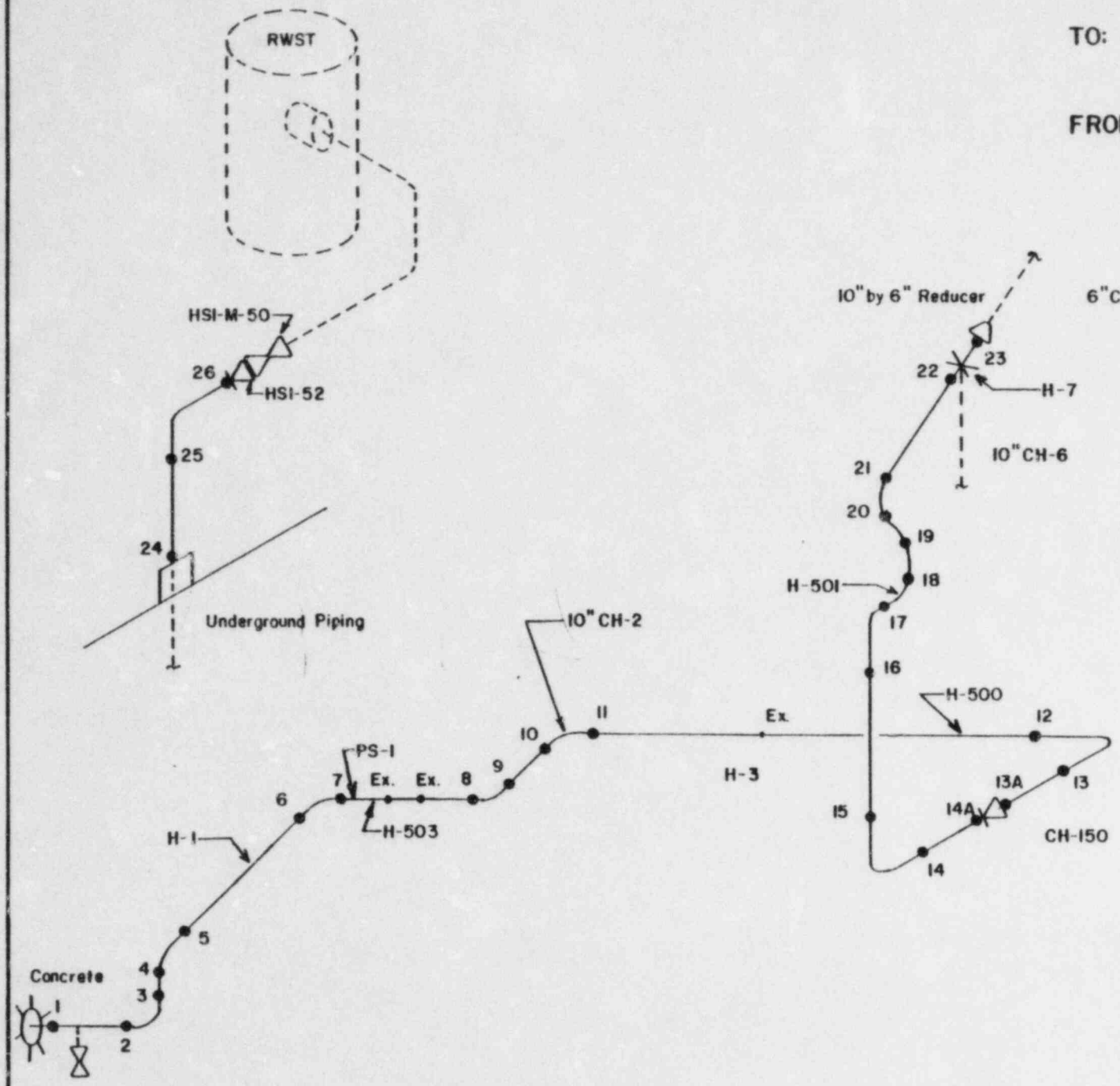
Weld Follower SIH-6

DRG. # MY-151-2-25

LOCATION: PAB ELEV. 20'

TO: Charging Pump Suction Header
CH-6

FROM: Valve HSI-52



ORG. # MY-151-2-27

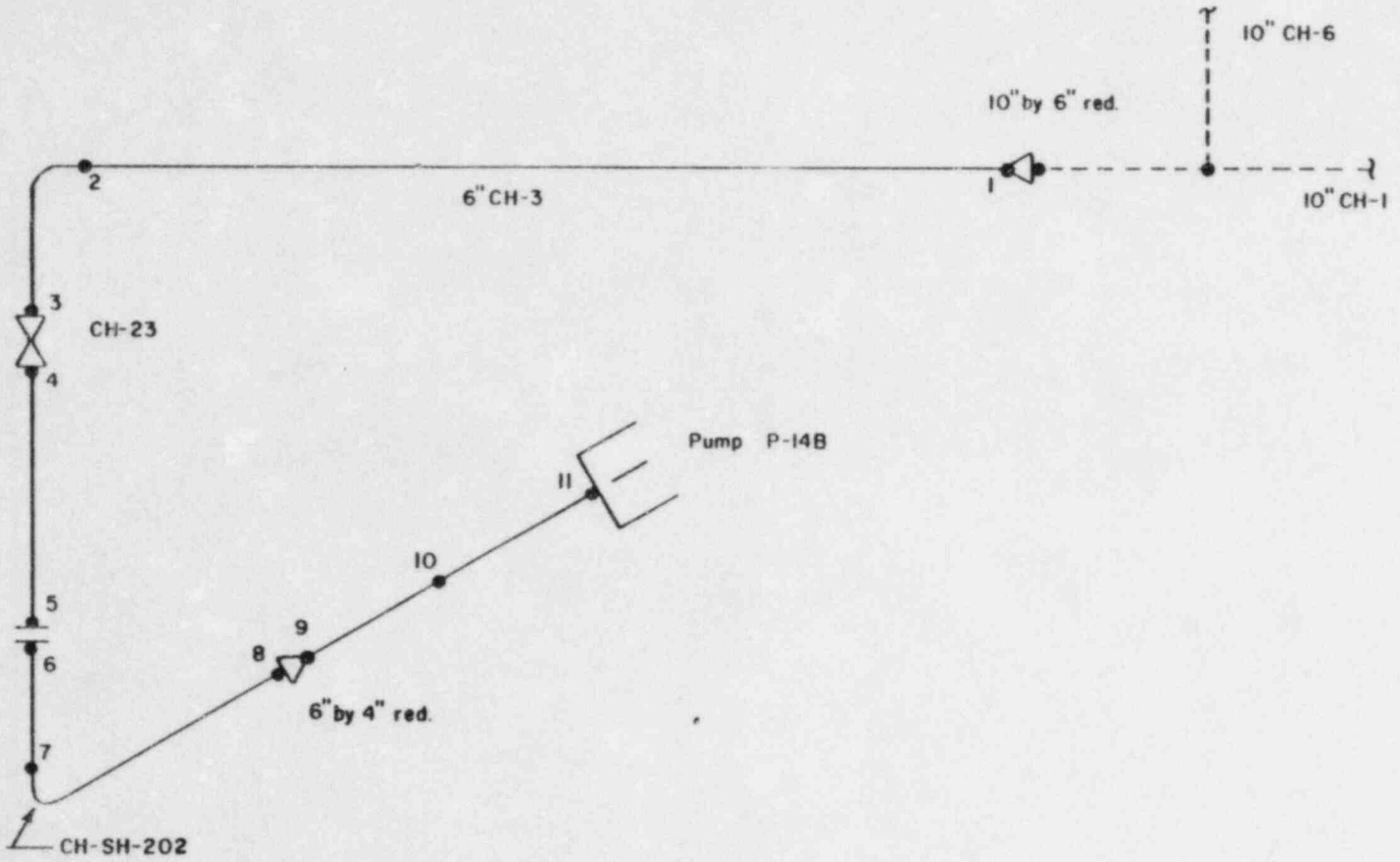
10" CH-2

Ref. Drawing: MKS 125A11-3

LOCATION: PAB Level 20'

TO: Charging Pump P-14B

FROM: Charging Pump Suction Header CH-6



6"CH-3 Charging Line To Charging Pumps

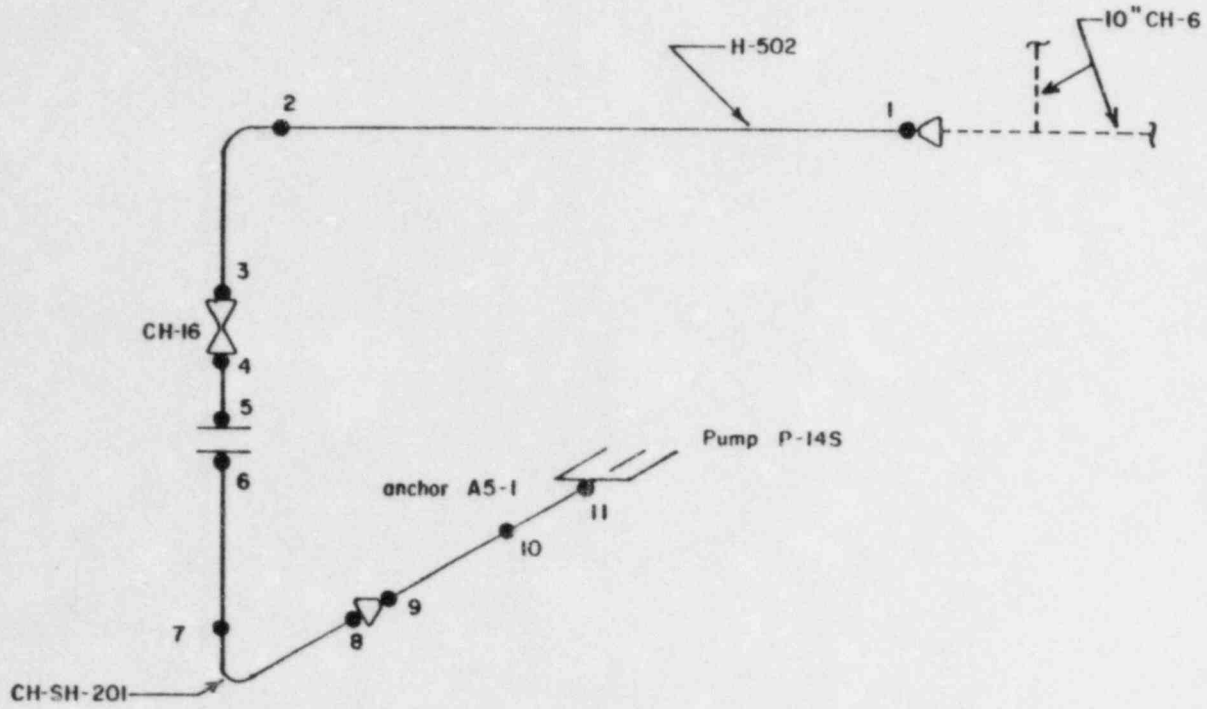
Ref. Drawing: MKS 125BI

DRG. # MY-151-2-28

LOCATION: PAB elev. 20'

TO: Charging Pump P-14S

FROM: Charging Pump Suction Header CH-6

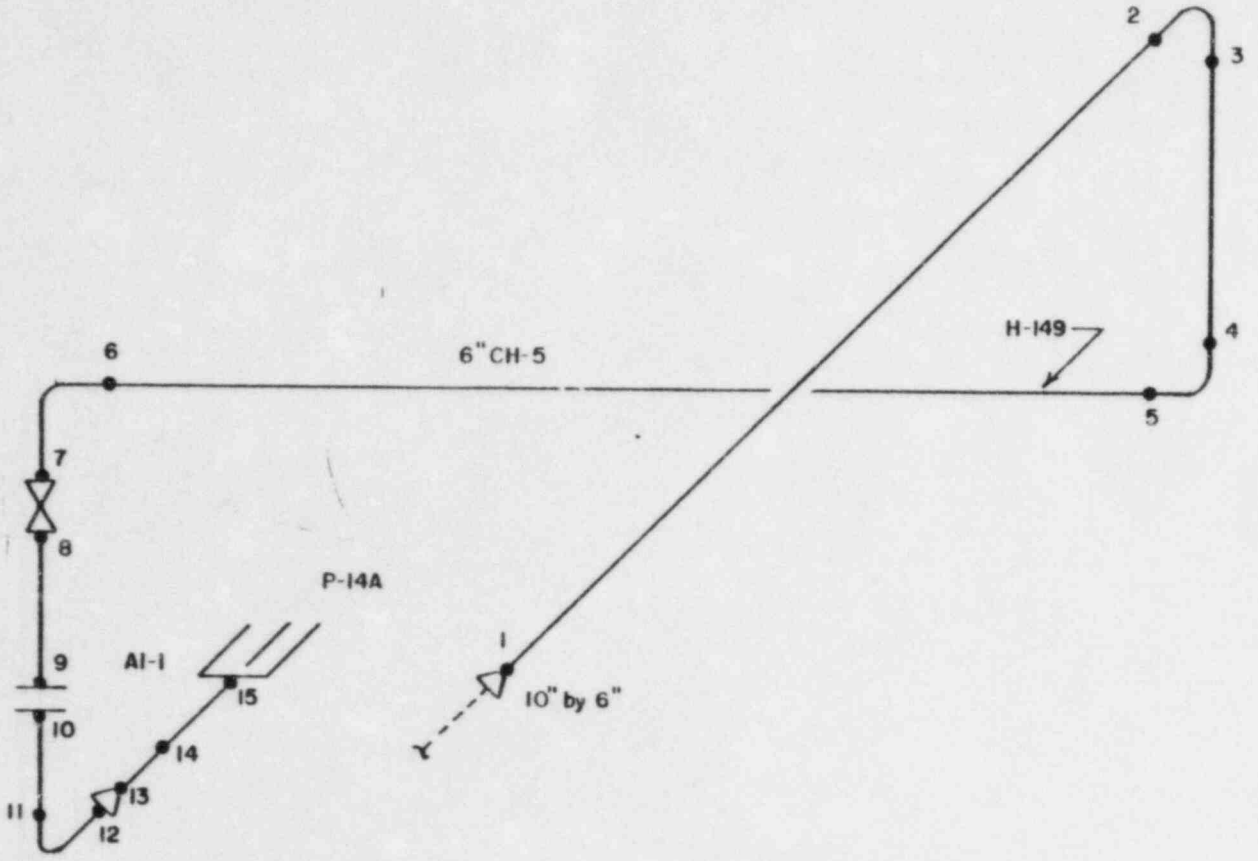


6"CH-4-152 R2

Ref. Drawing: MKS 125BI

DRG # MY-151-2-29

LOCATION: PAB Level 20'
TO: Charging Pump P-14A
FROM: Charging Pump Suction Header CH-6



6"CH-5

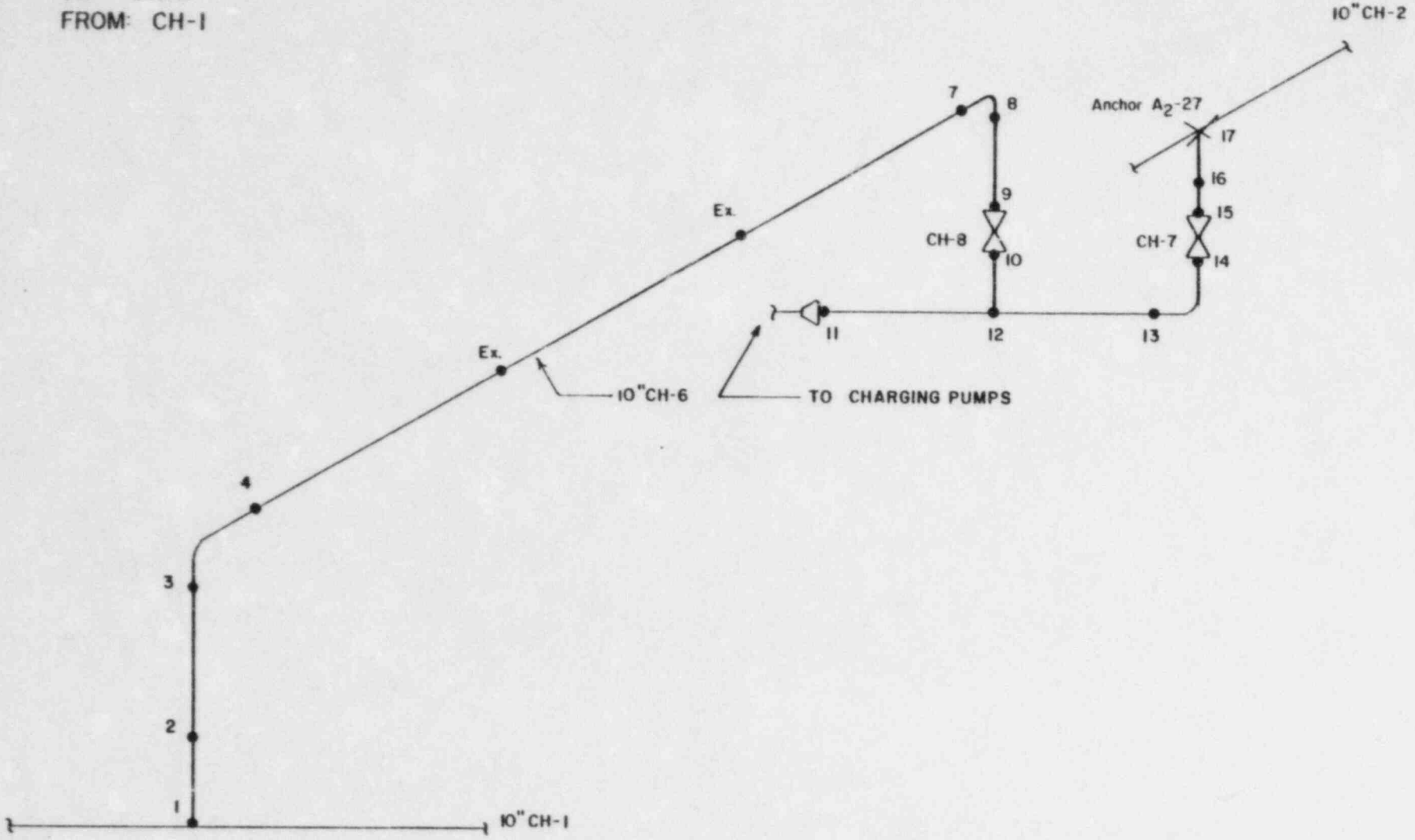
Ref. Drawing: MKS 125B7

DRG. # MY-151-2-30

LOCATION: PAB Level 20'

TO: CH-2

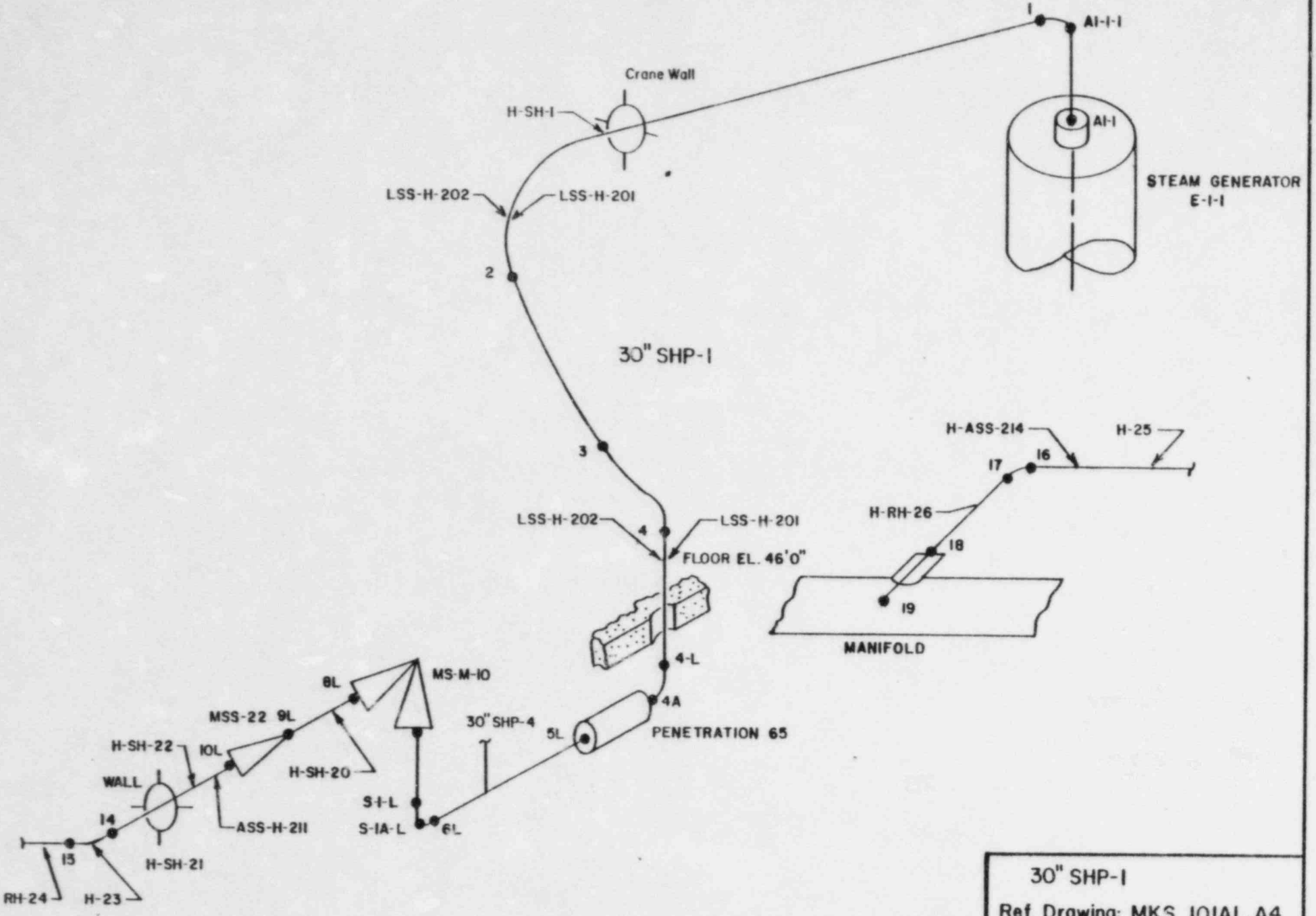
FROM: CH-1



Charging Line 10"CH-6

Ref. Drawing: MKS 125AII, 125BI
125BI2, 125B7

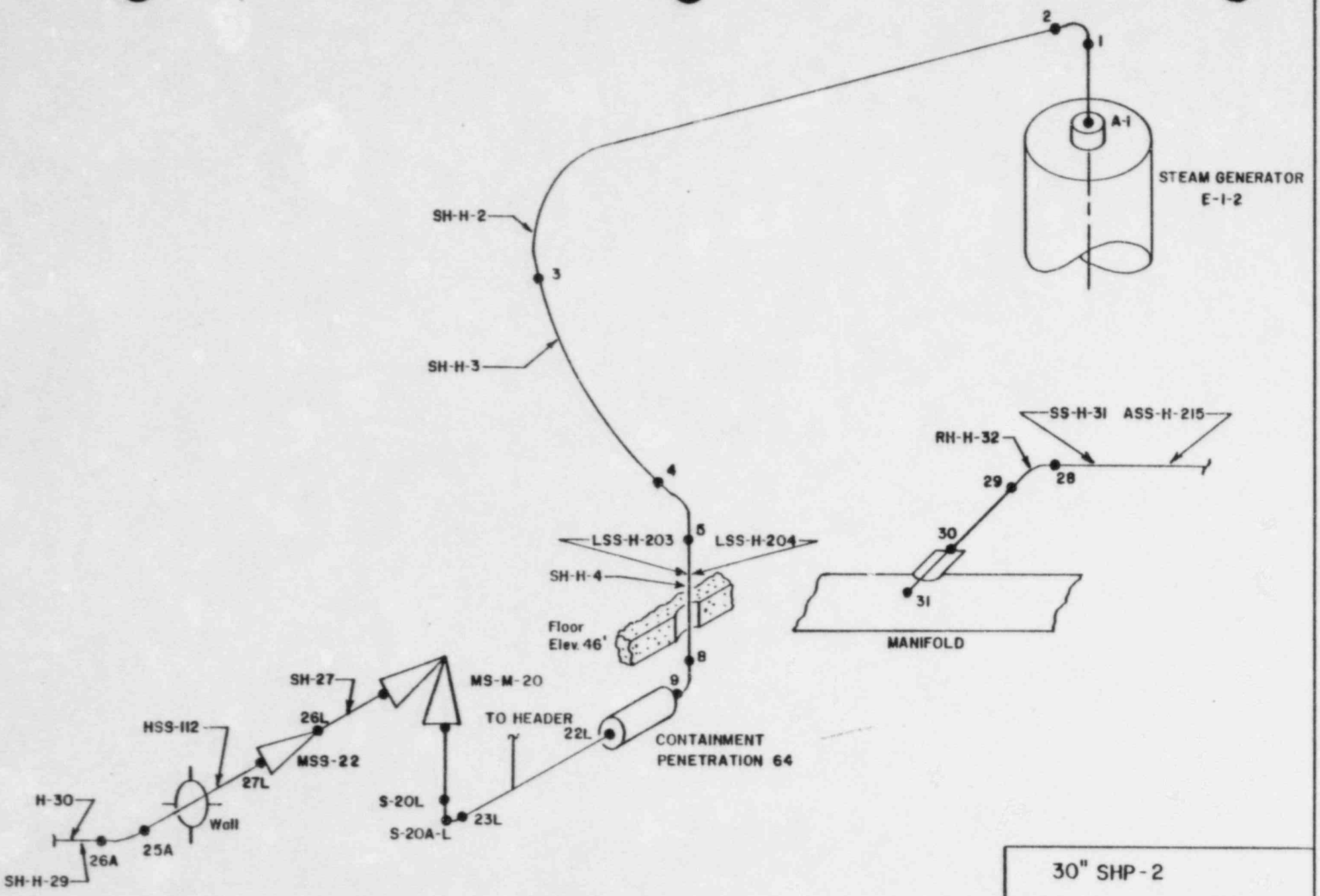
DRG. # MY-151-2-31



30" SHP-1

Ref. Drawing: MKS 101A1, A4
101A2
100A1

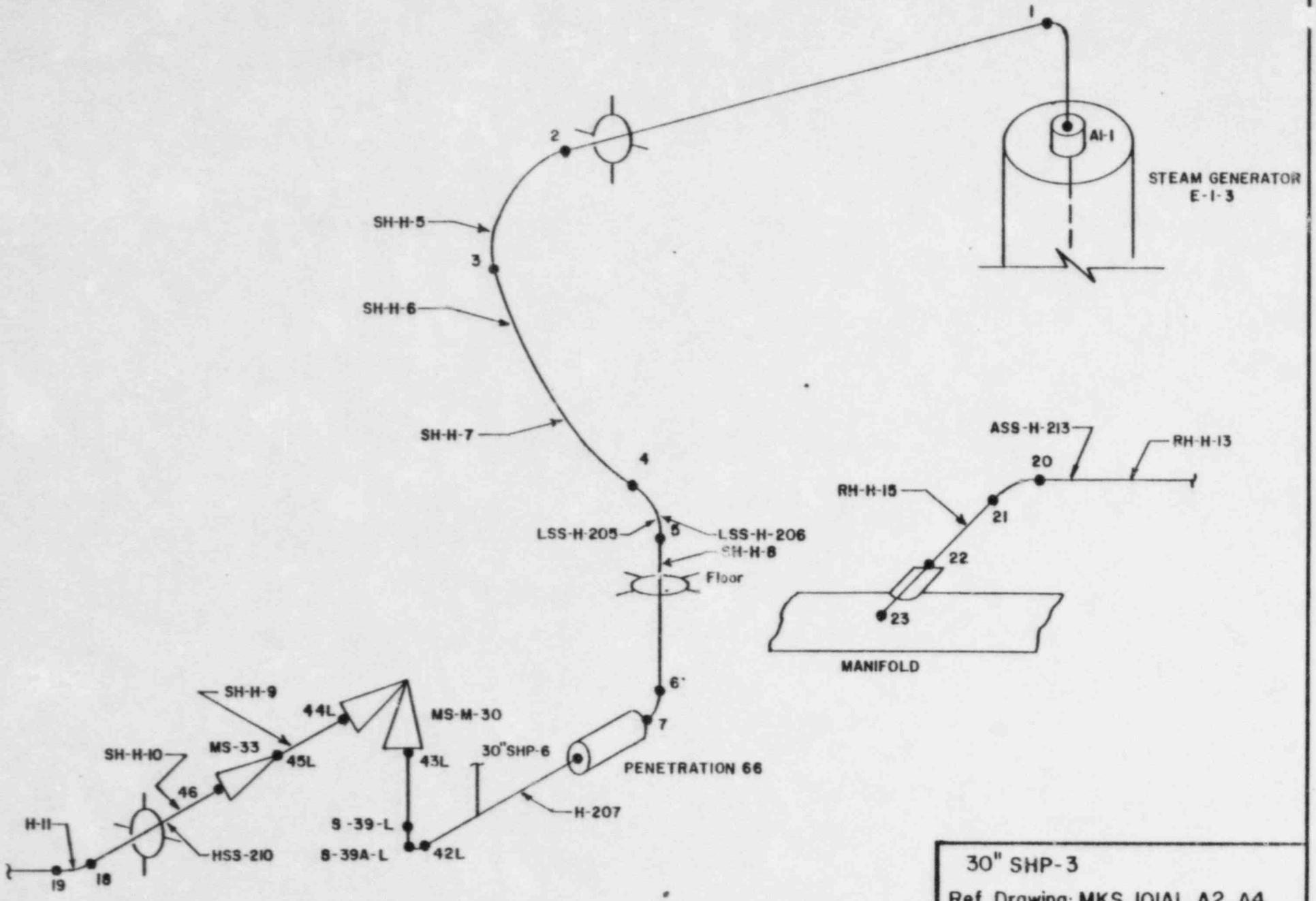
DRG # MY-151-2-32



30" SHP-2

Ref. Drawings: MKS 100C1
101A2

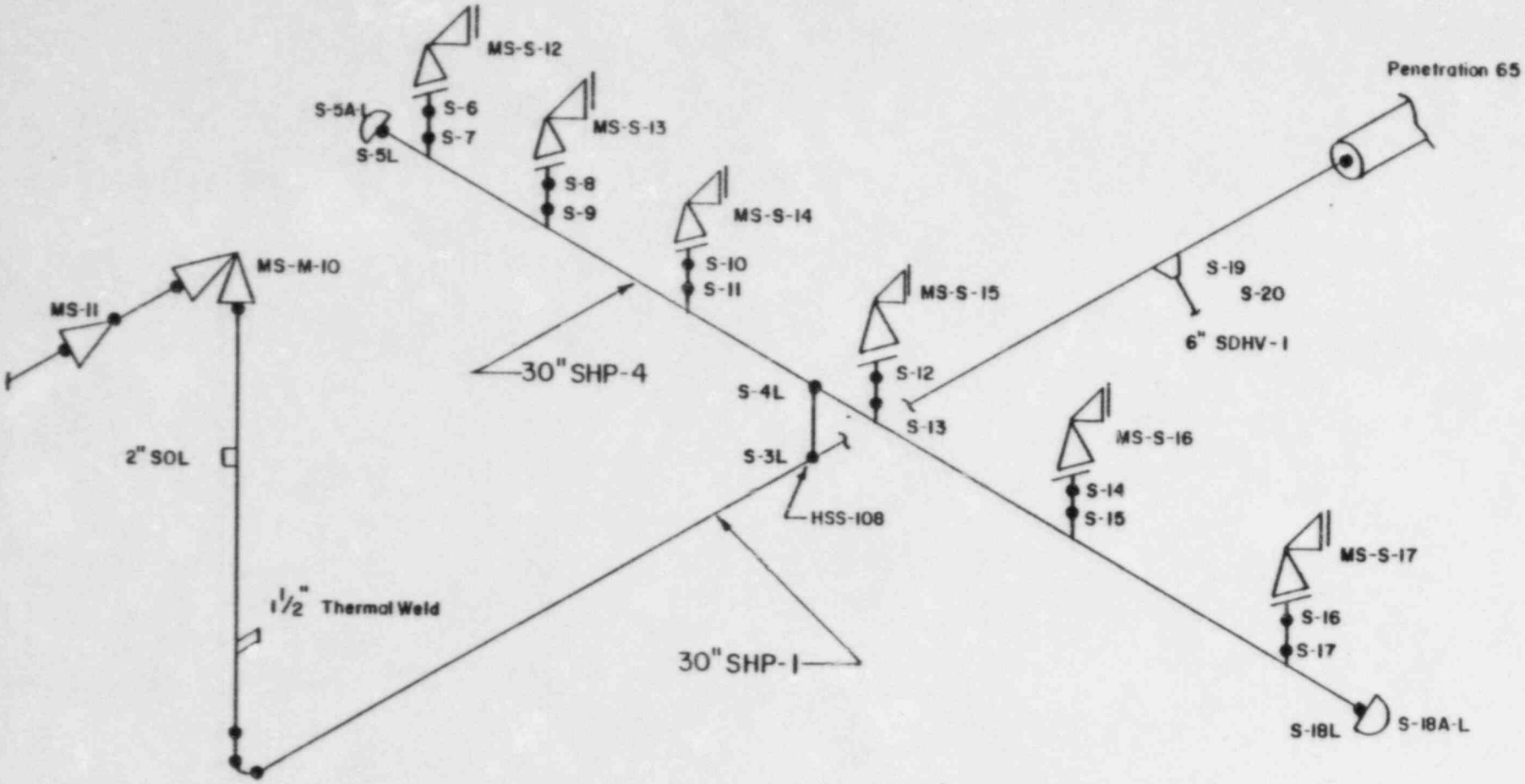
DRG# MY-ISI-2-33



30" SHP-3

Ref. Drawing: MKS 101A1, A2, A4
100C1

DRG # MY-ISI-2-34

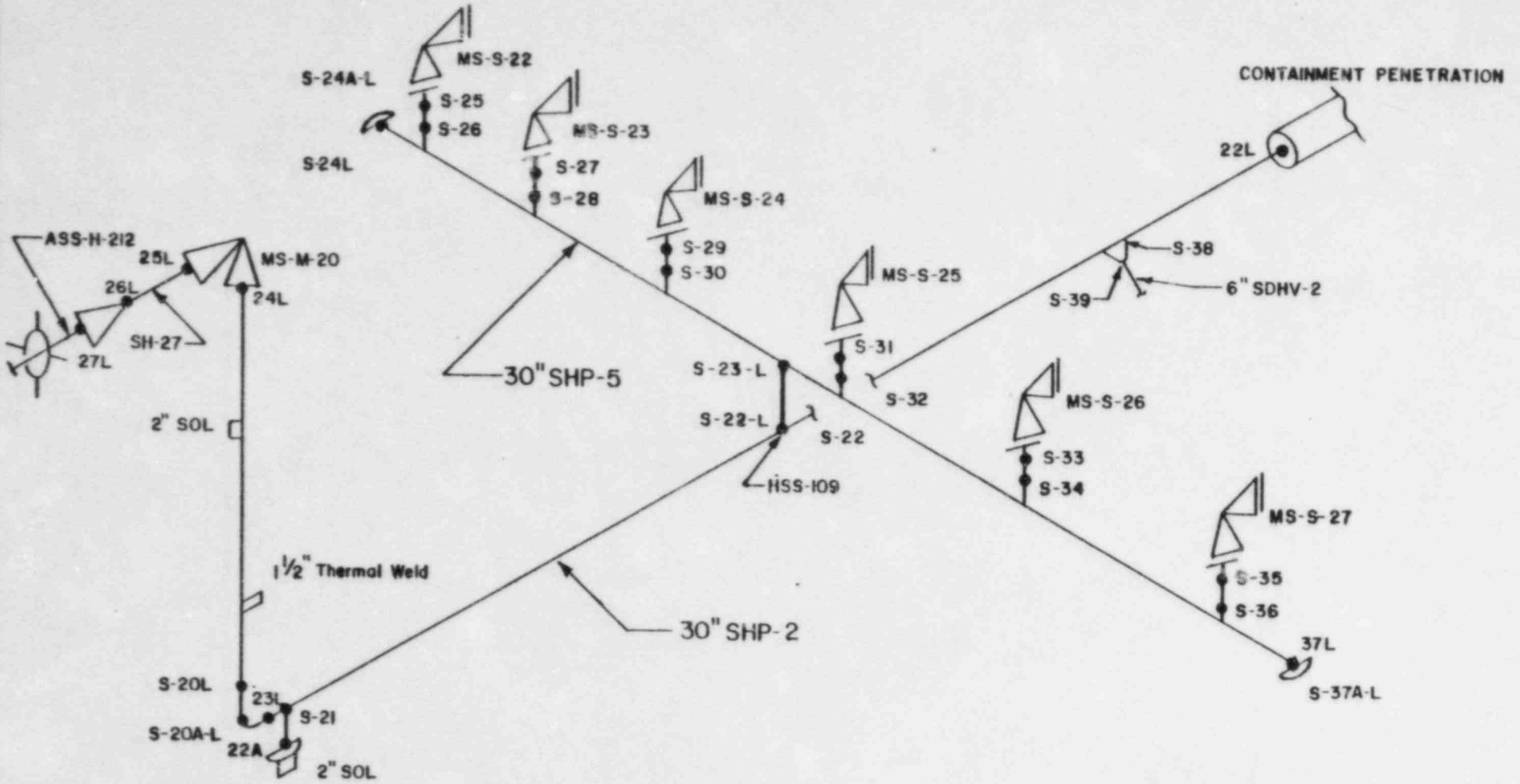


NOTE: Weld numbers and hanger numbers and location for 30" SHP-1 can be found on SHP-1 weld follower.

30" SHP-4

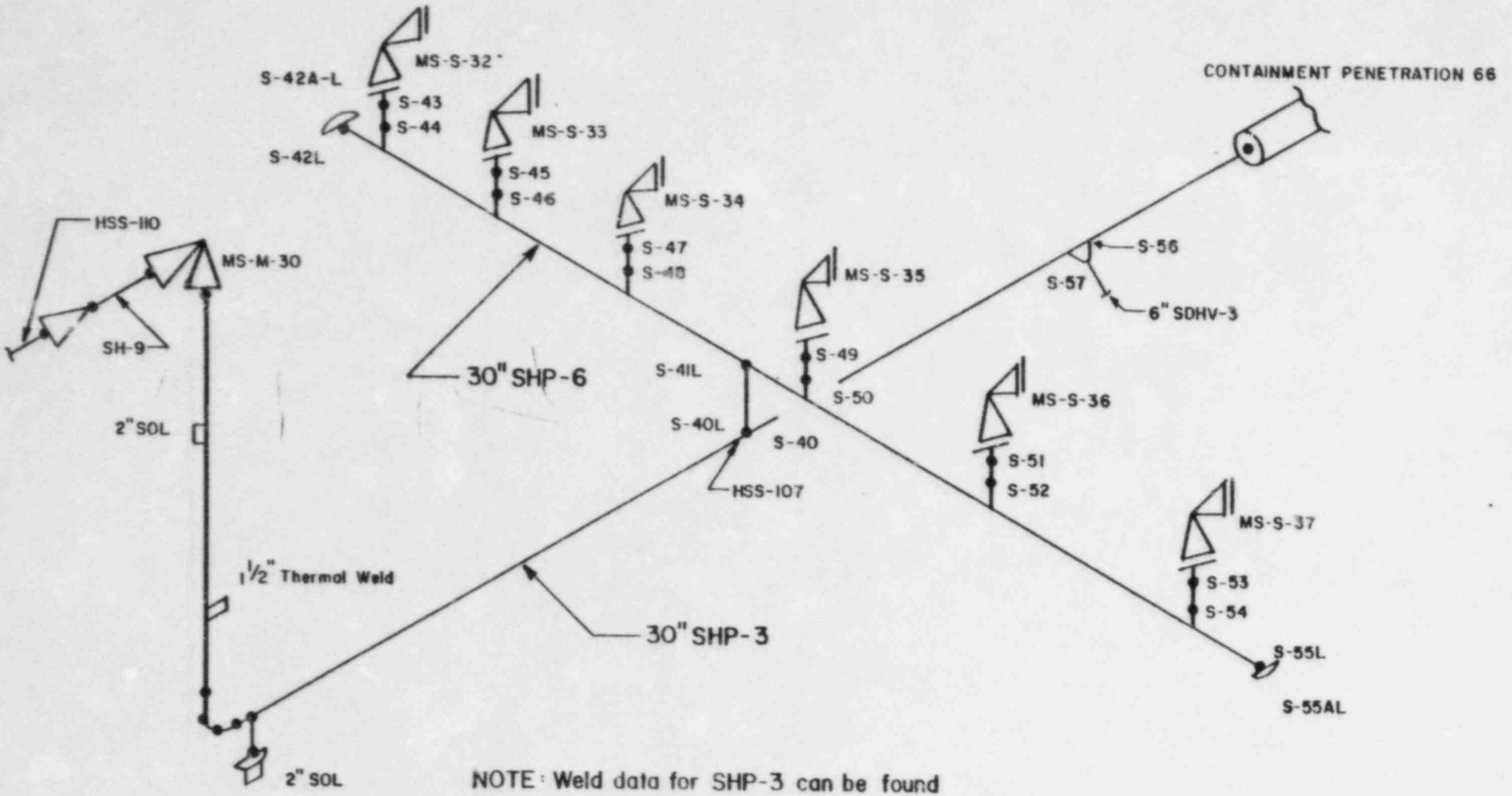
Ref. Drawings: 101A1, 101A4

DRG# MY-1S1-2-35



30" SHP-2	30" SHP-5
Ref. Drawings:	MKS 100C1
	101A1
	101A4

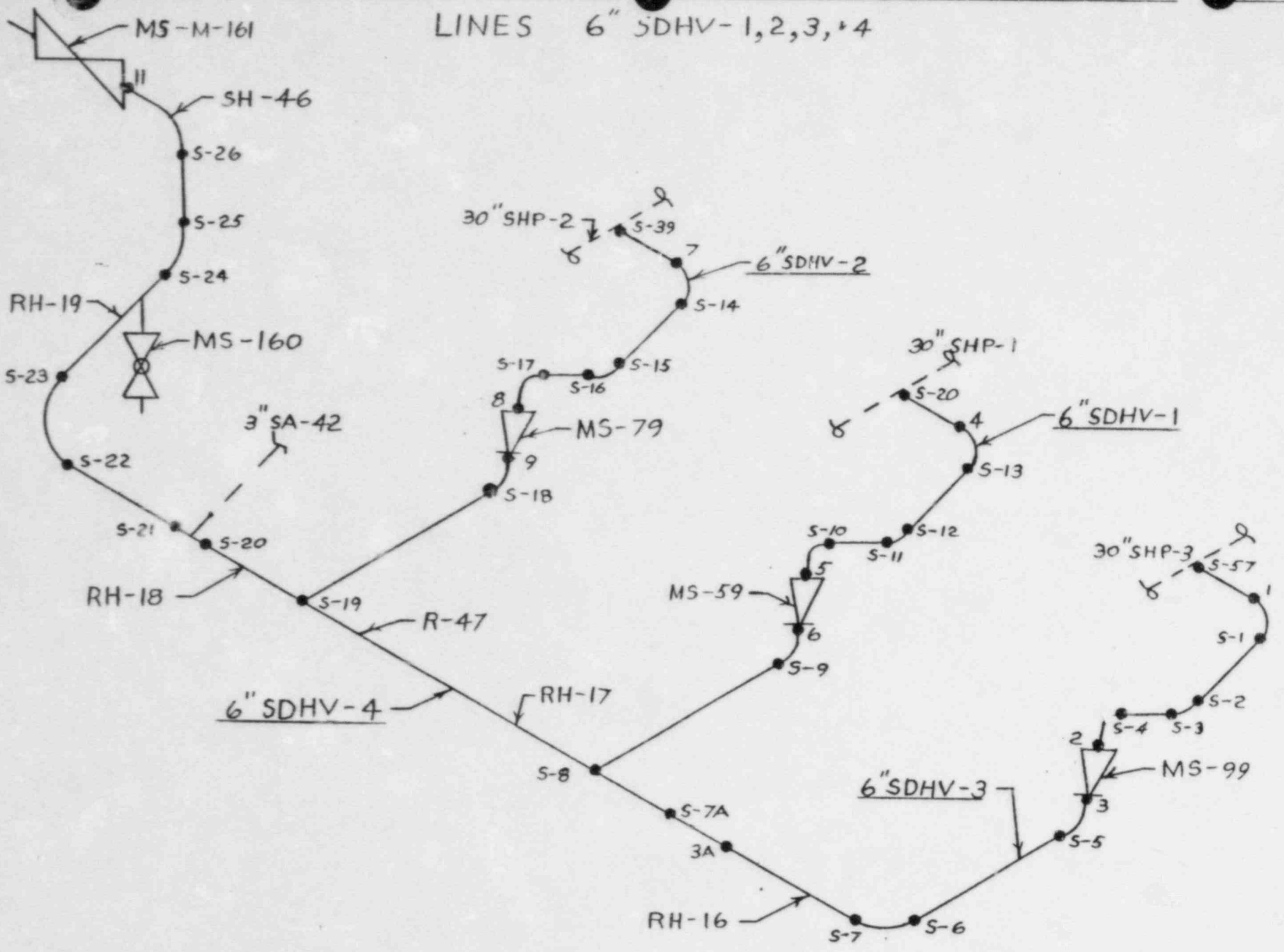
DRG # MY-1S1-2-36

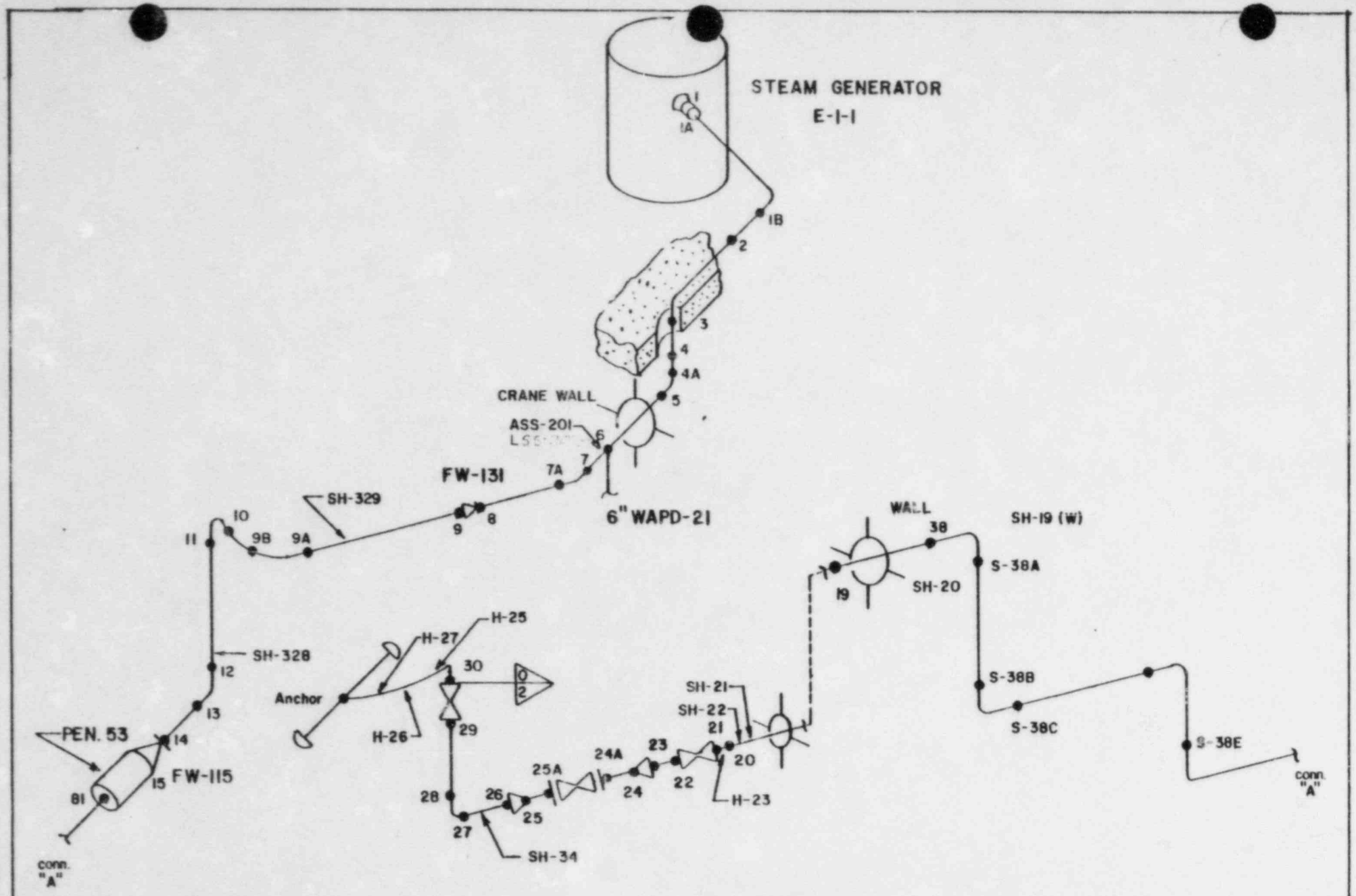


NOTE: Weld data for SHP-3 can be found on weld follower SHP-3.

30" SHP-6
Ref. Drawings: MKS 101A1, 101A4

DRG # MY-151-2-37

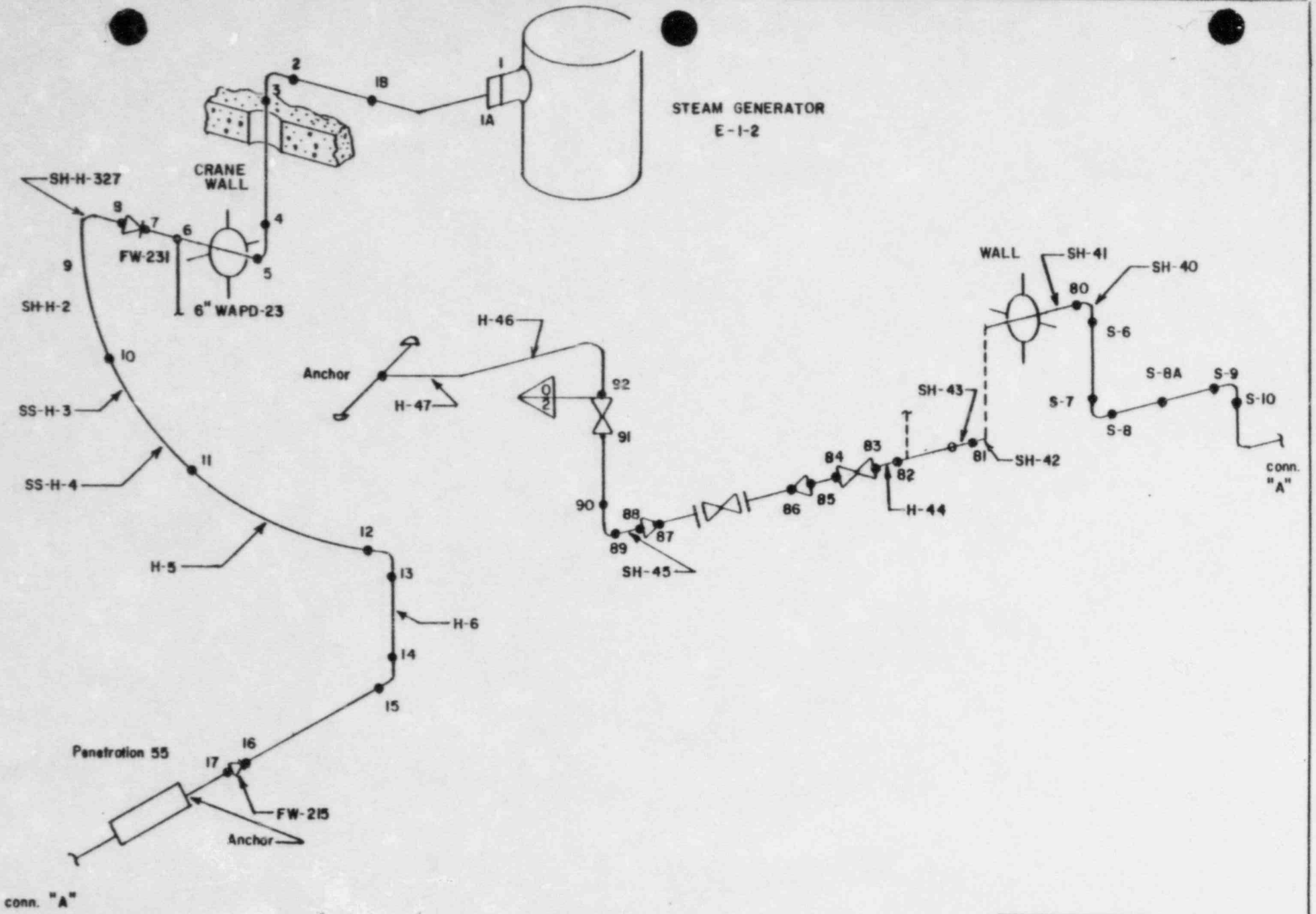

LINES 6" SDHV-1,2,3,4
MS-M-161
11
SH-46
S-26
S-25
S-24
RH-19
MS-160
S-23
S-22
3" SA-42
S-21
S-20
RH-18
S-19
R-47
6" SDHV-4
RH-17
S-8
S-7A
3A
RH-16
S-7
S-6
S-5
6" SDHV-3
3
MS-99
2
S-4
S-3
S-2
S-1
1
30" SHP-3
S-57
MS-59
5
6
S-9
S-10
S-11
S-12
S-13
4
6" SDHV-1
30" SHP-1
S-20
8
MS-79
9
S-18
S-17
S-16
S-15
S-14
7
6" SDHV-2
30" SHP-2
S-39
DRG. # MY-151-2-38



14" WFPD-4

REF. DRAWING: MKS-102A1

DRG # MY-1S1-2-39

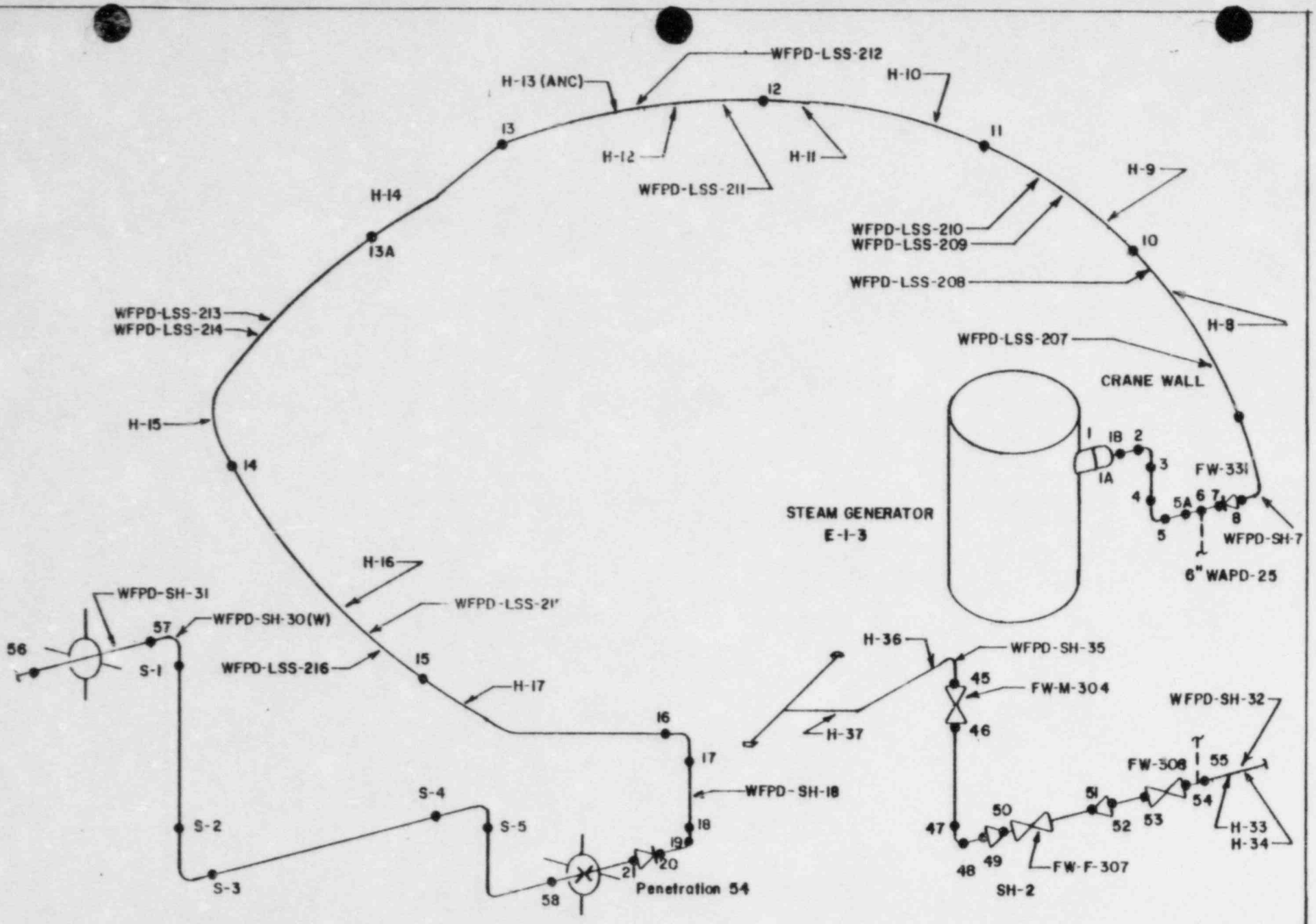


14"WFPD-8

Reference Drawings:

MKS 102E1

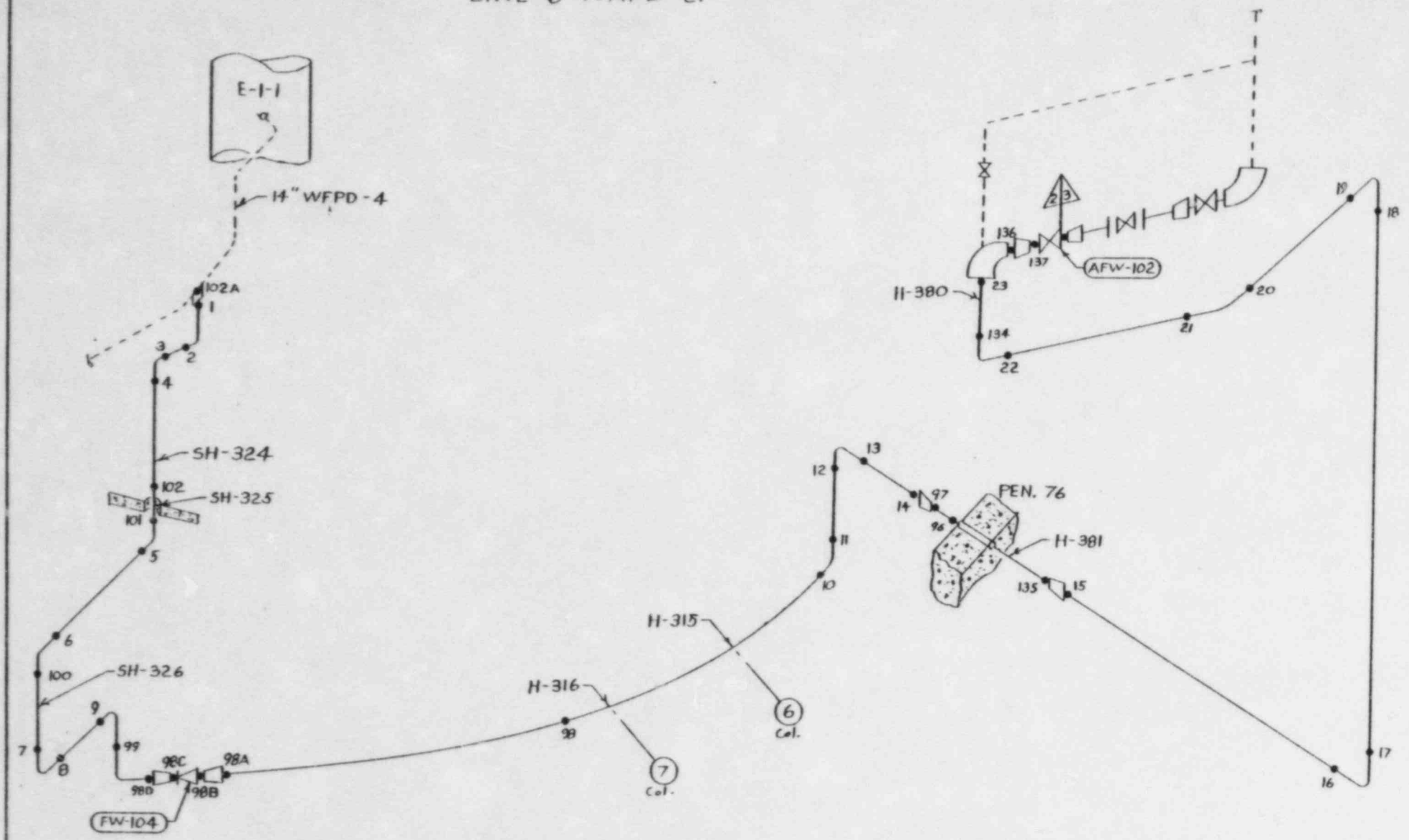
DRG # MY-151-2-40



14" WFPD-10
Ref. Drawing: MKS 102N1, 102J1

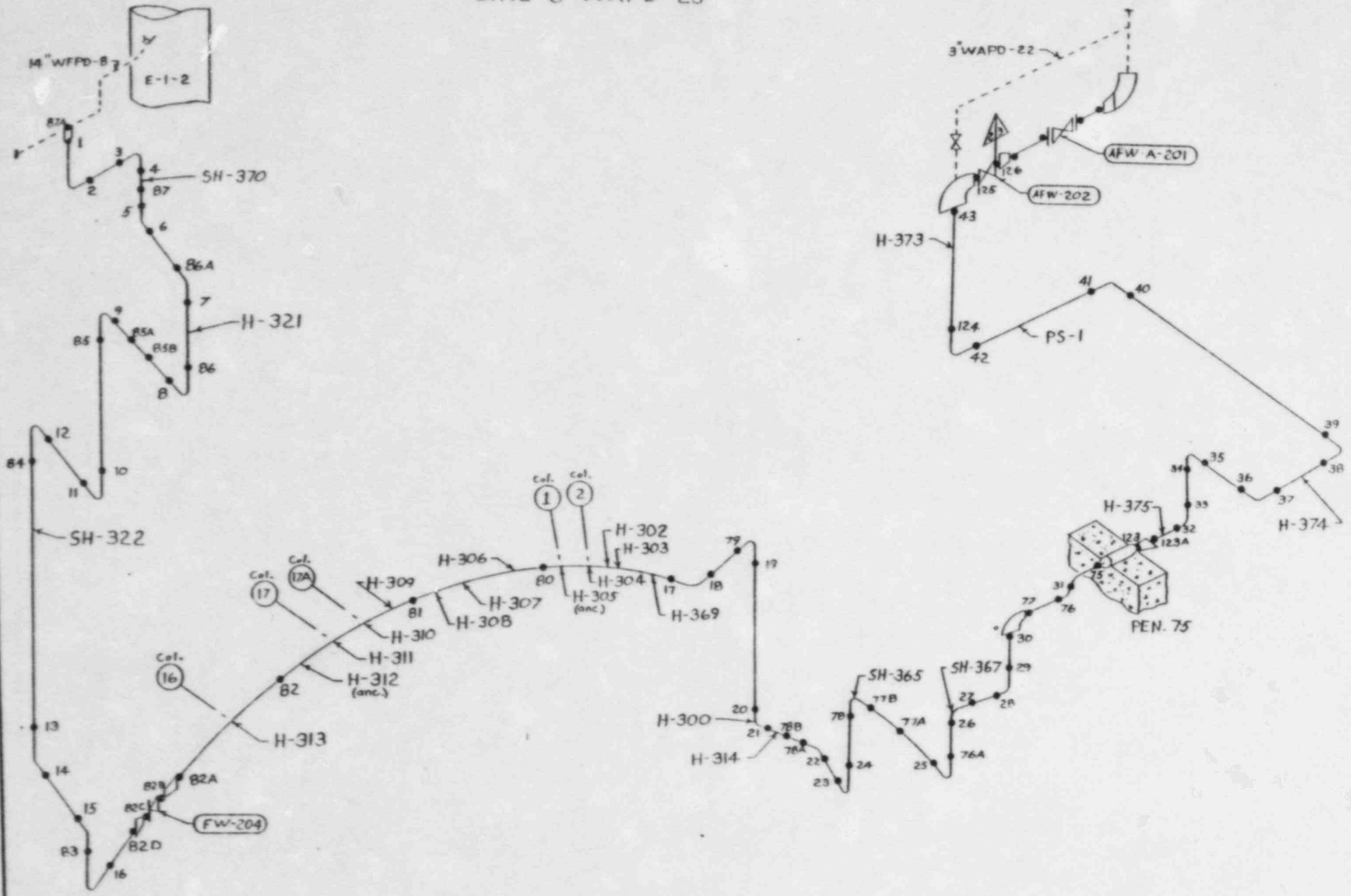
DRG # MY-151-2-41

LINE 6" WAPD-21



Ref. MKS-102A1 PAB and Containment DRG. # MY-151-2-42

LINE 6" WAPD-23

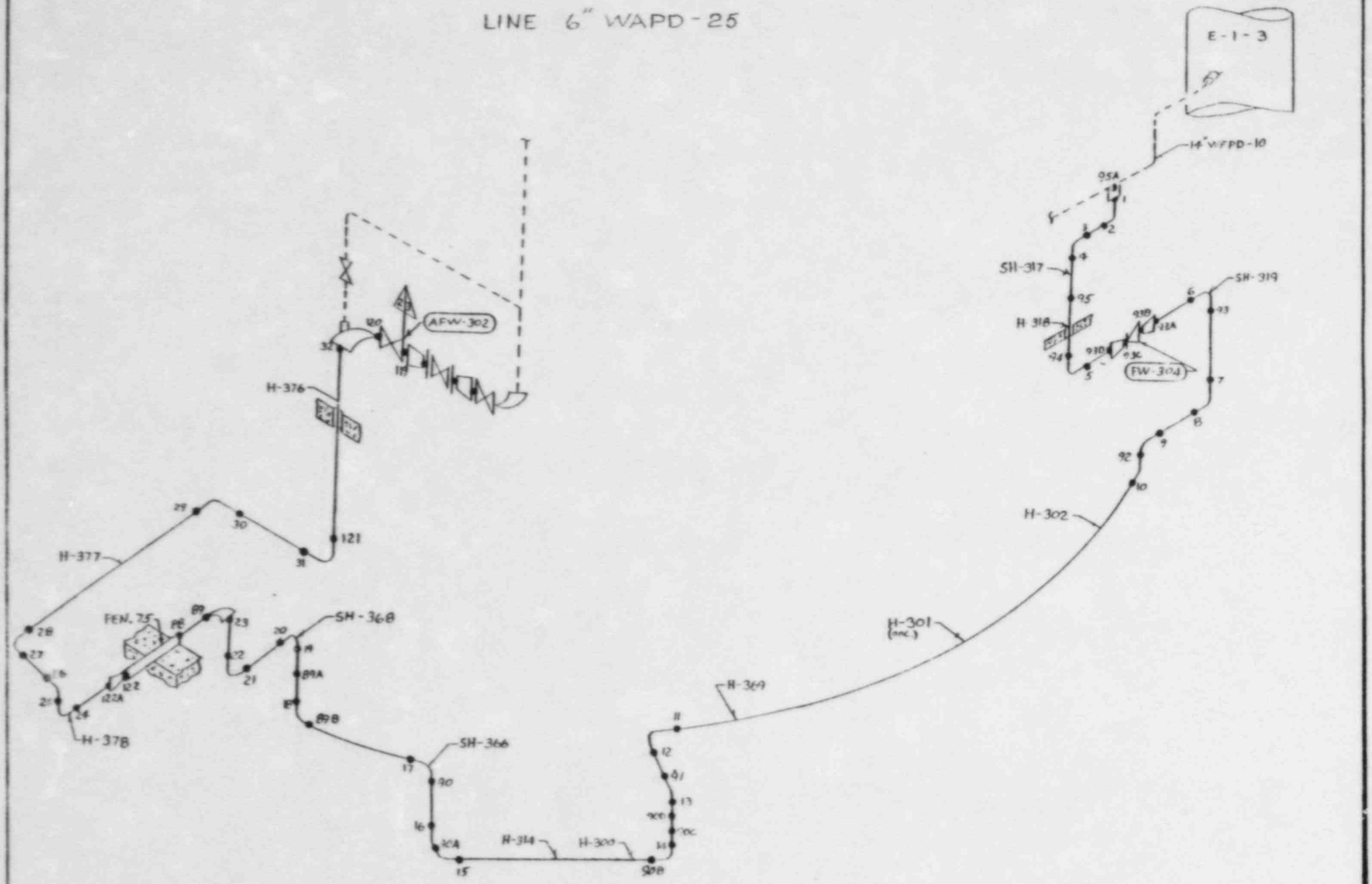


Ref. MKS-102E1

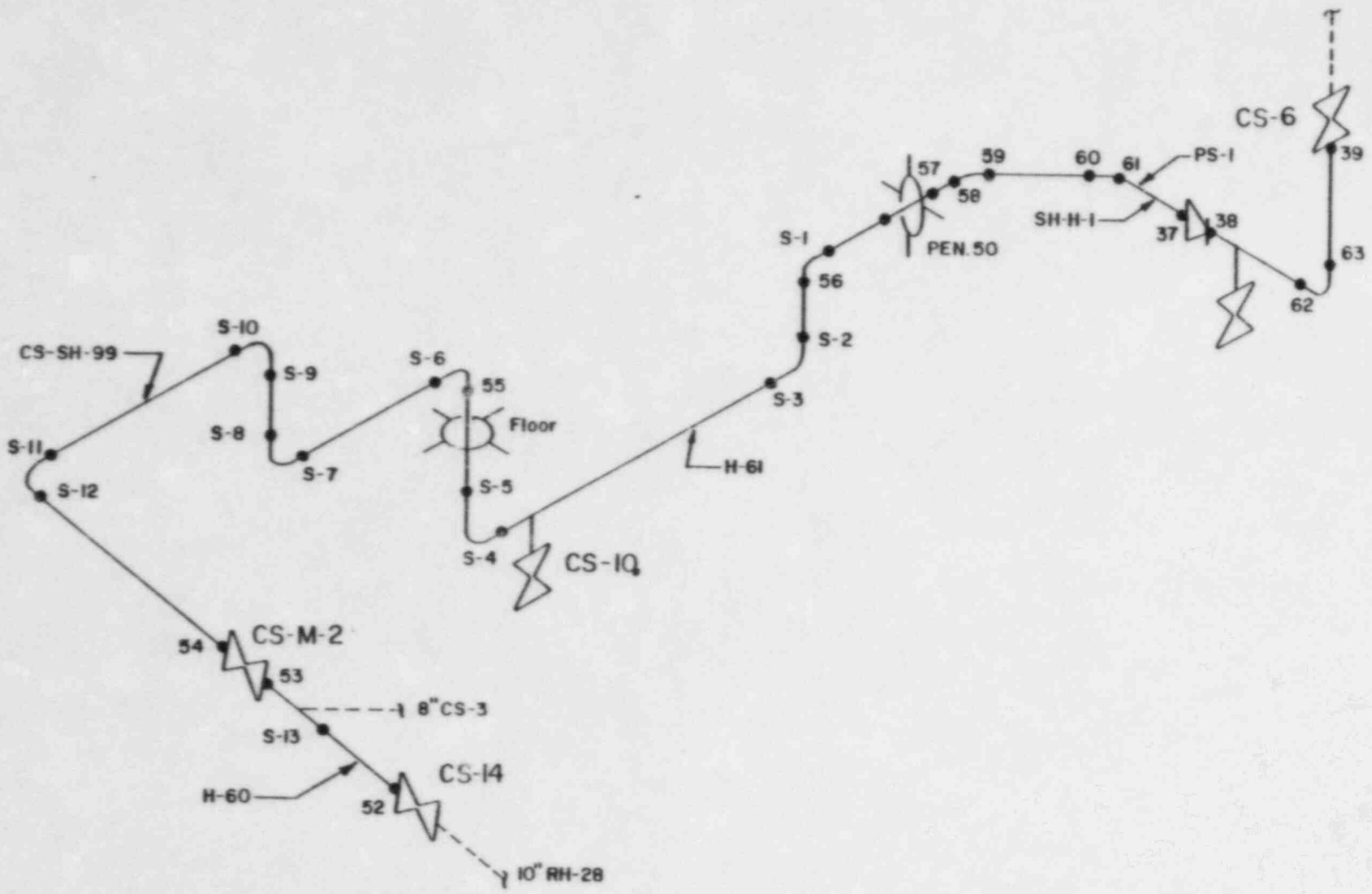
PAB and Containment

DRG. # MY-151-2-43

LINE 6" WAPD-25



DRG. # MY-151-2-44



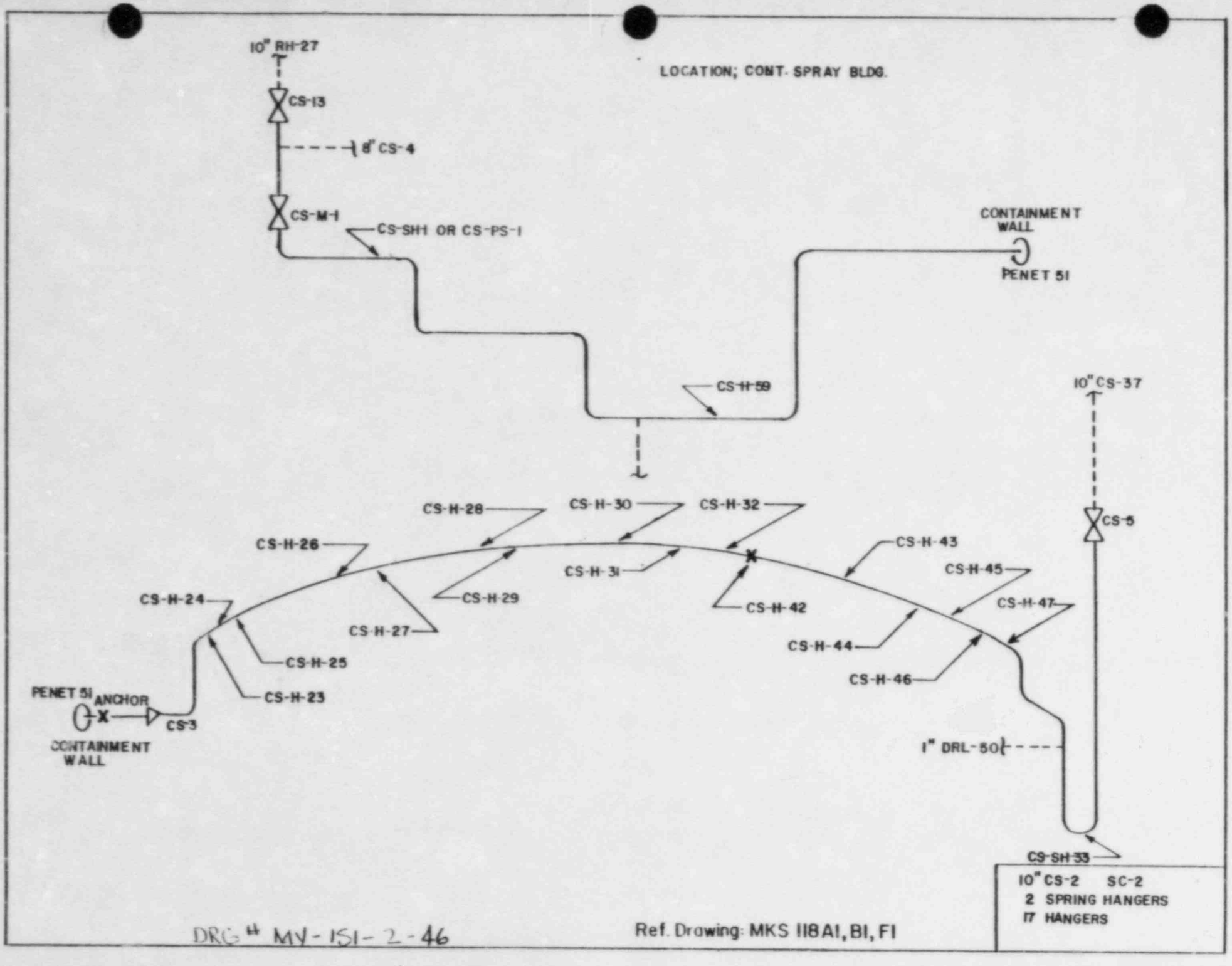
DRG # MY-151-2-45

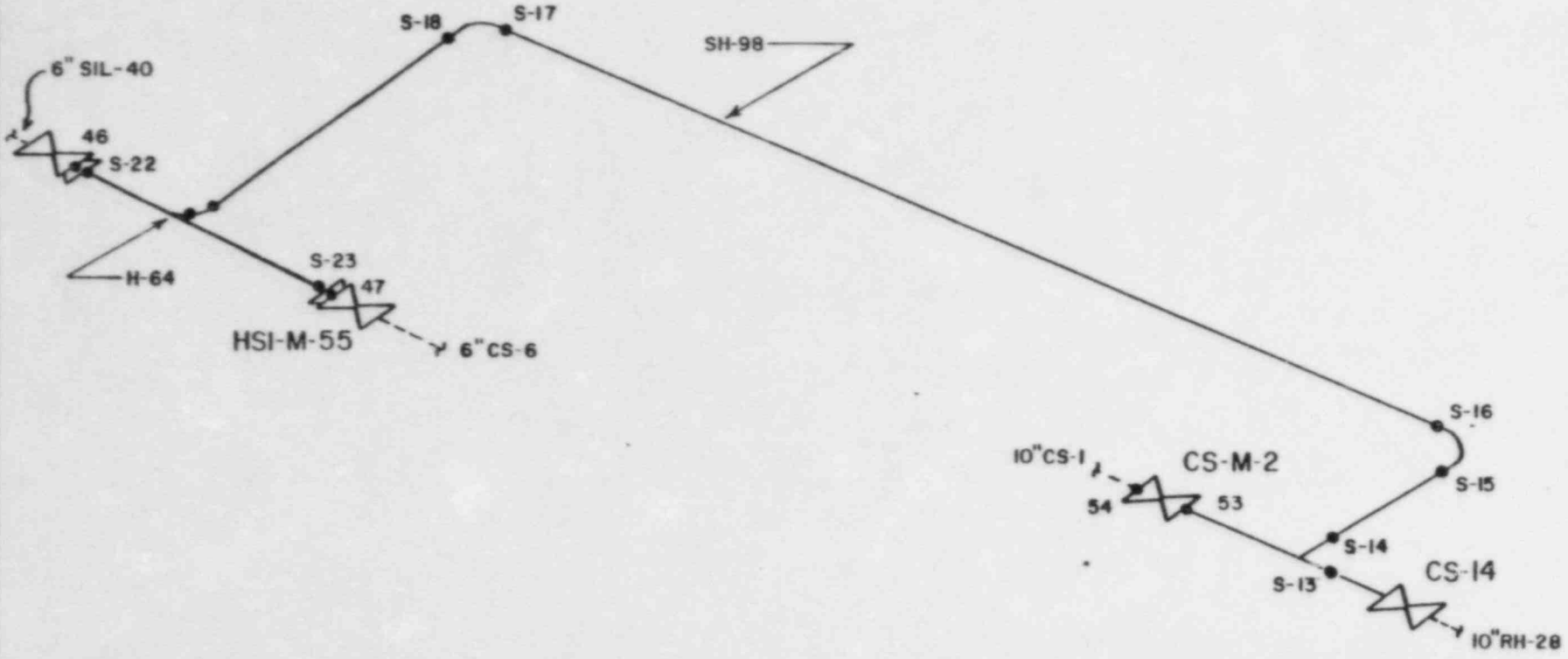
10" CS-1

Ref. Drawing: MKS 118D1, 118F2

Weld Follower CS-3,4

LOCATION: Containment Spray Pump Area

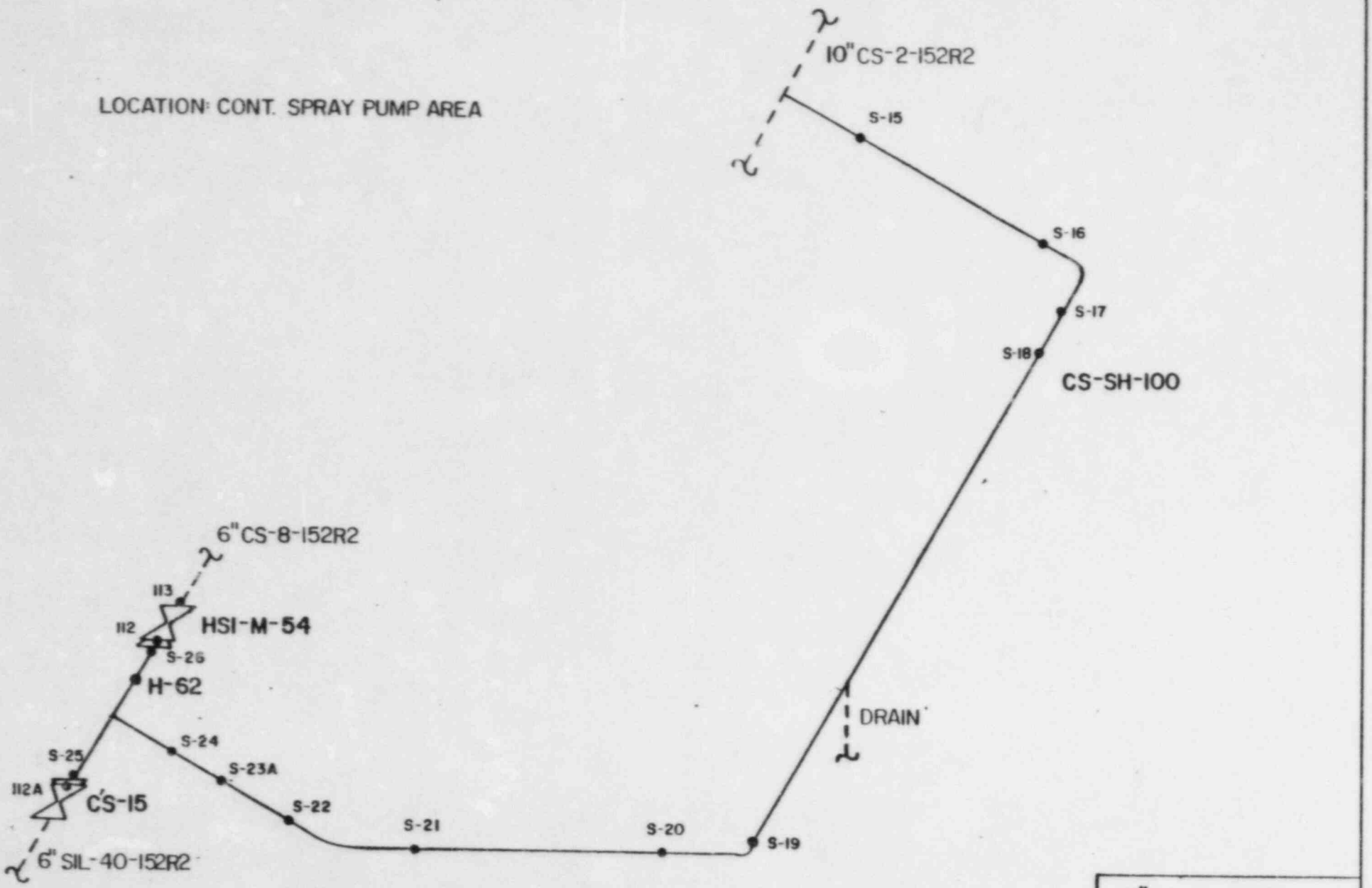

10" RH-27
LOCATION; CONT. SPRAY BLDG.
CS-13
8" CS-4
CS-M-1
CS-SH1 OR CS-PS-1
CONTAINMENT WALL
PENET 51
CS-H-59
10" CS-37
CS-5
CS-H-28
CS-H-30
CS-H-32
CS-H-26
CS-H-43
CS-H-31
CS-H-45
CS-H-24
CS-H-29
CS-H-42
CS-H-47
CS-H-27
CS-H-44
CS-H-25
CS-H-46
PENET 51
ANCHOR
CS-3
CS-H-23
CONTAINMENT WALL
1" DRL-50
CS-SH 33
10" CS-2 SC-2
2 SPRING HANGERS
17 HANGERS
DRG # MY-151-2-46
Ref. Drawing: MKS 118A1, B1, F1



8" CS-3

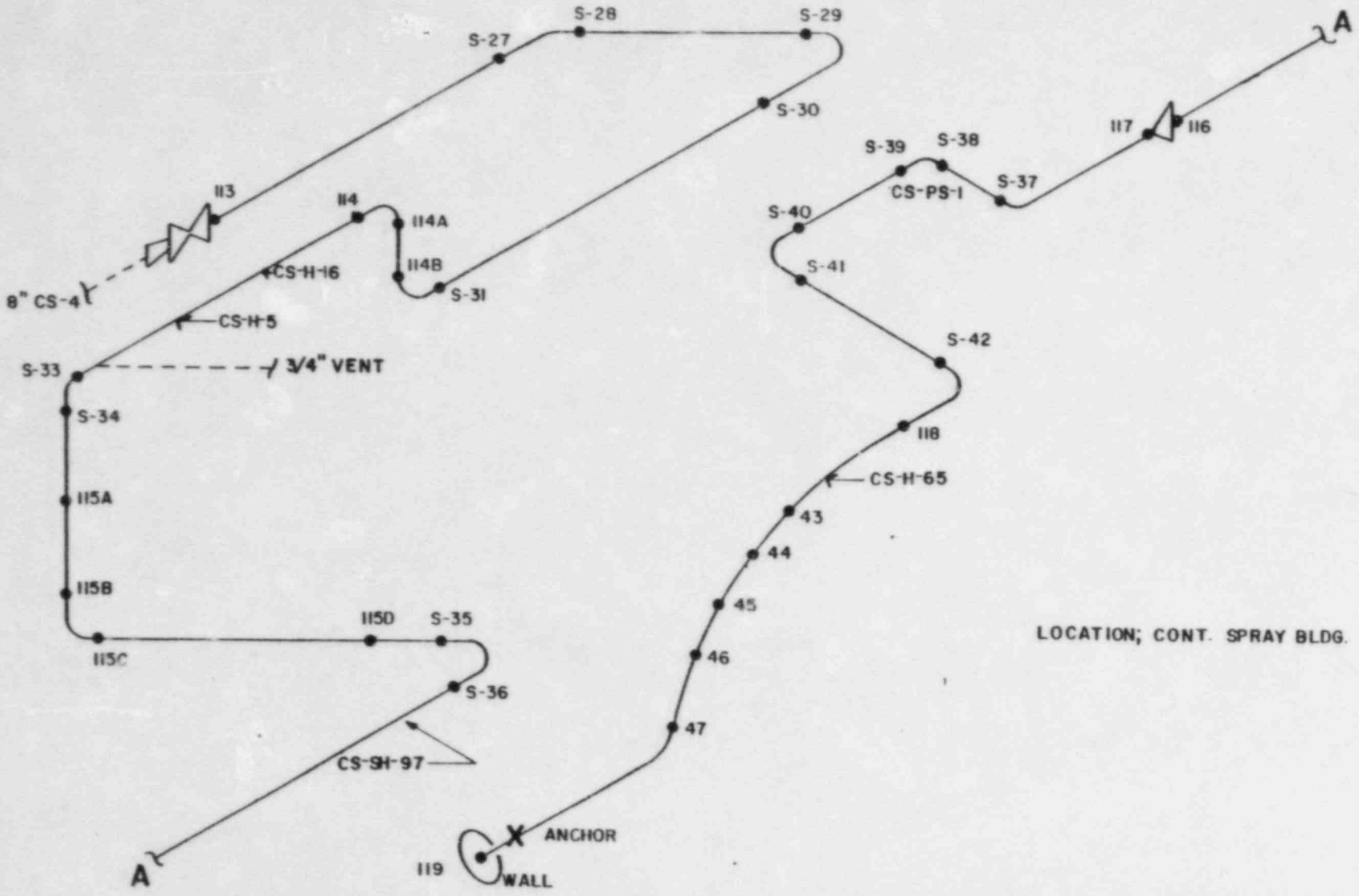
Ref. Drawing: MKS 118F2, 118F4
Weld Follower CS-4

DRG # MY-151-2-47



DRG # MV-151-2-48

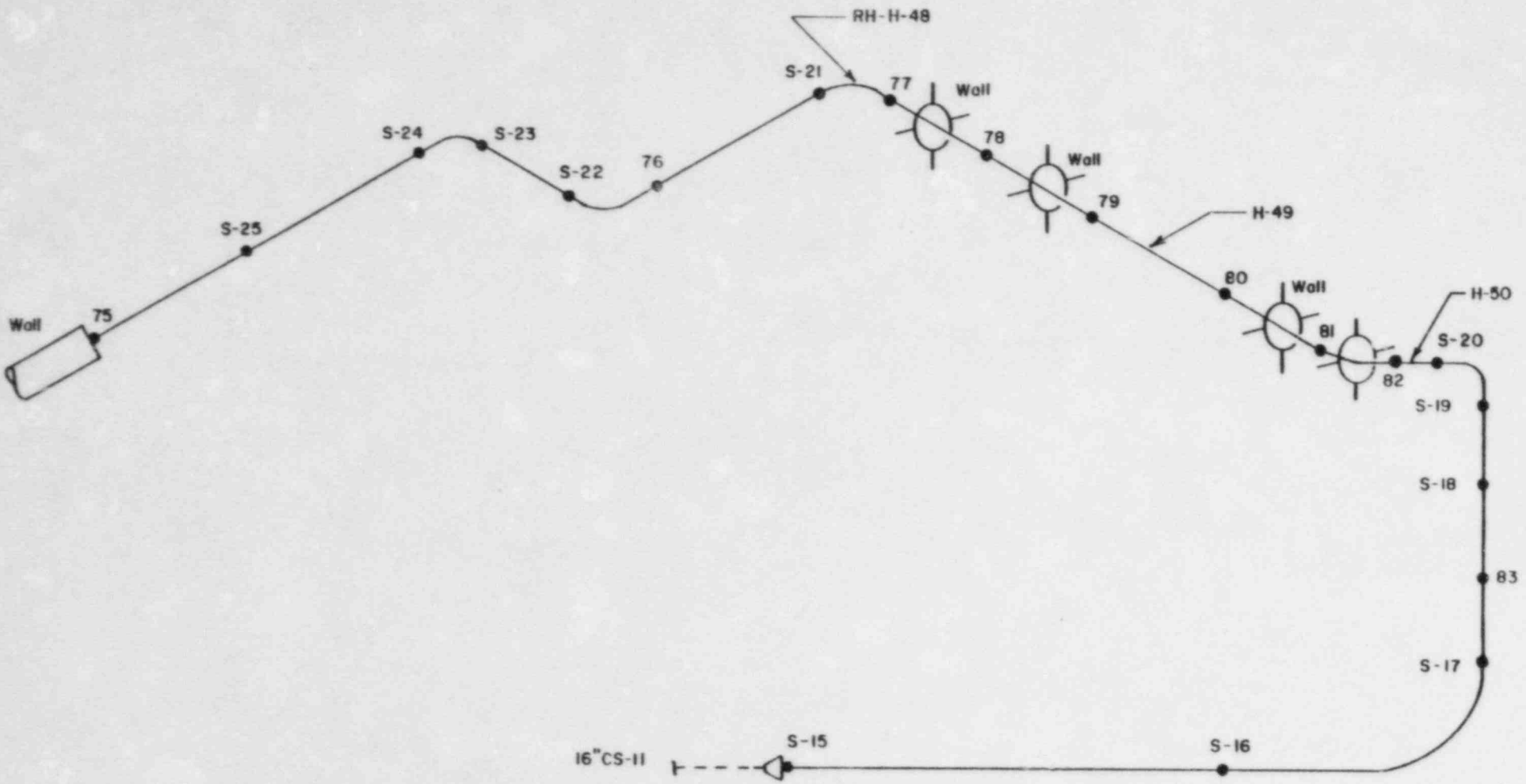
Ref. Drawings: 118F1, F6 (MKS)



6" CS-8 SC-2
1 SPRING HANGER
4 HANGERS

DRG # MV-151-2-49

Ref. Drawing: MKS 118F6



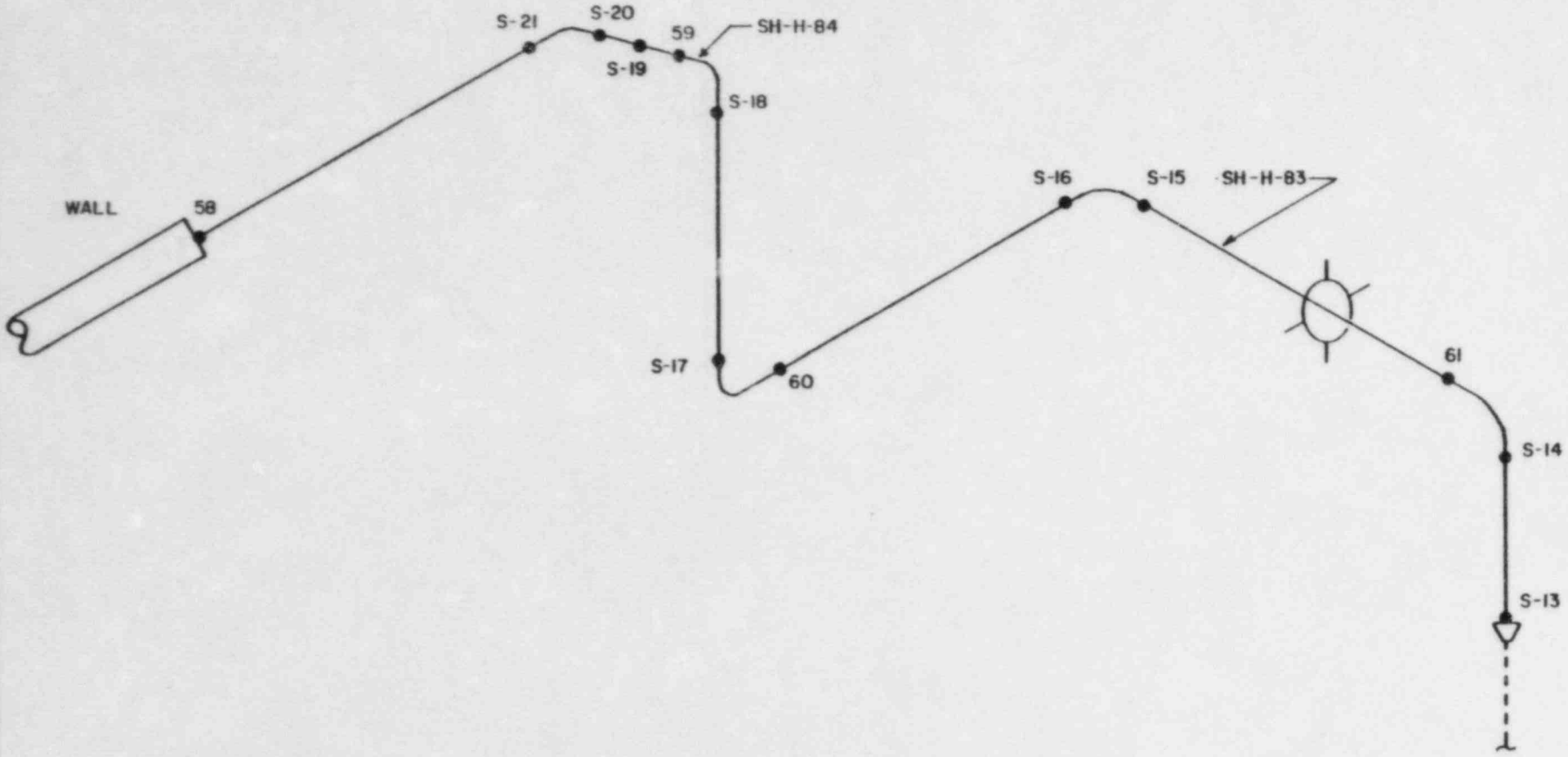
18"CS-11

Ref. Drawing: MKS 118G1, 118G2

DRG # MY-151-2-50

Location: Containment Spray Pump House

LOCATION: Spray Pump House

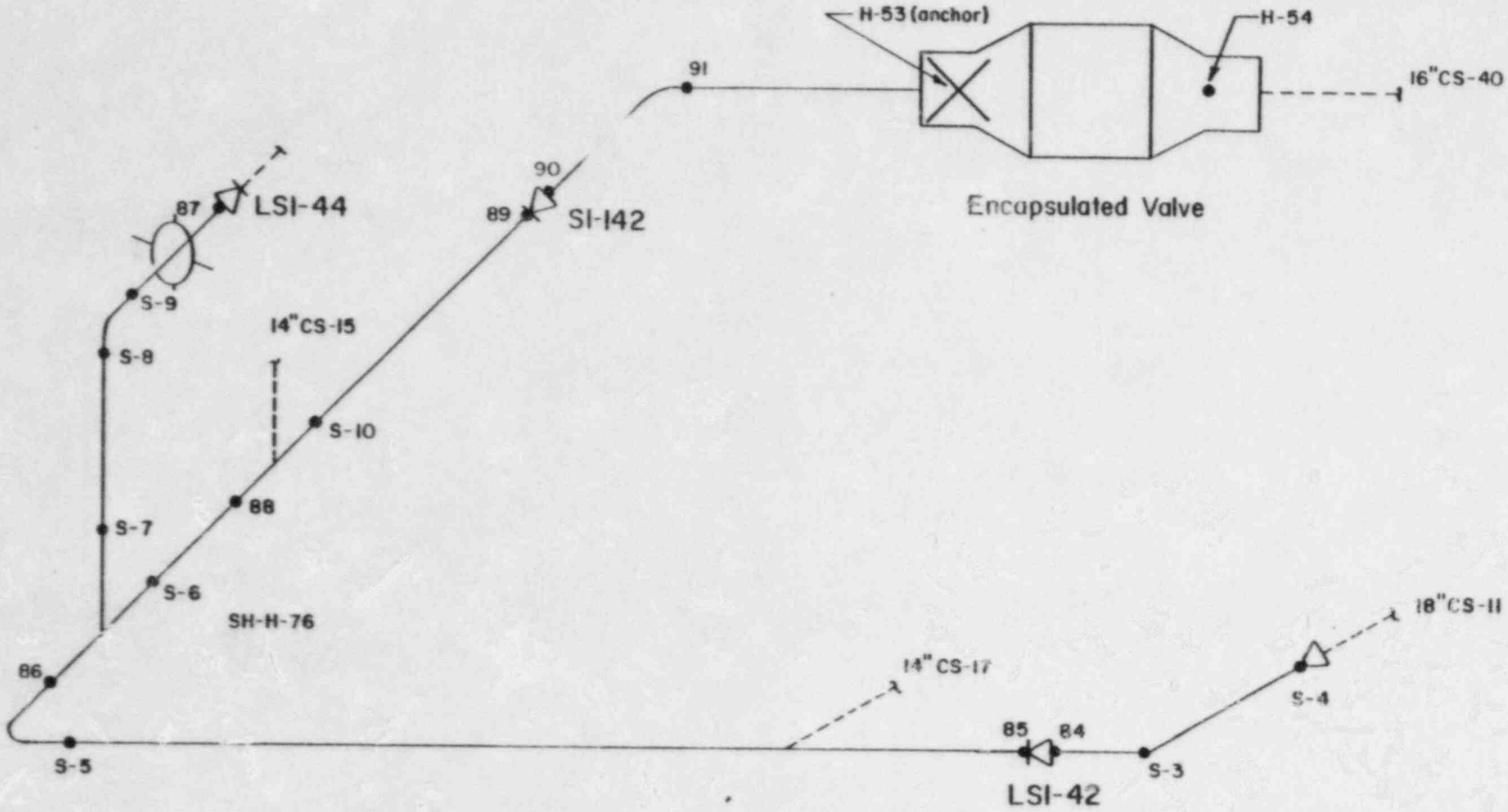


18" CS-12

Ref. Drawings: MKS 1186 2

Weld Follower CS-5

DRG # MY-151-2-51



16"CS-13

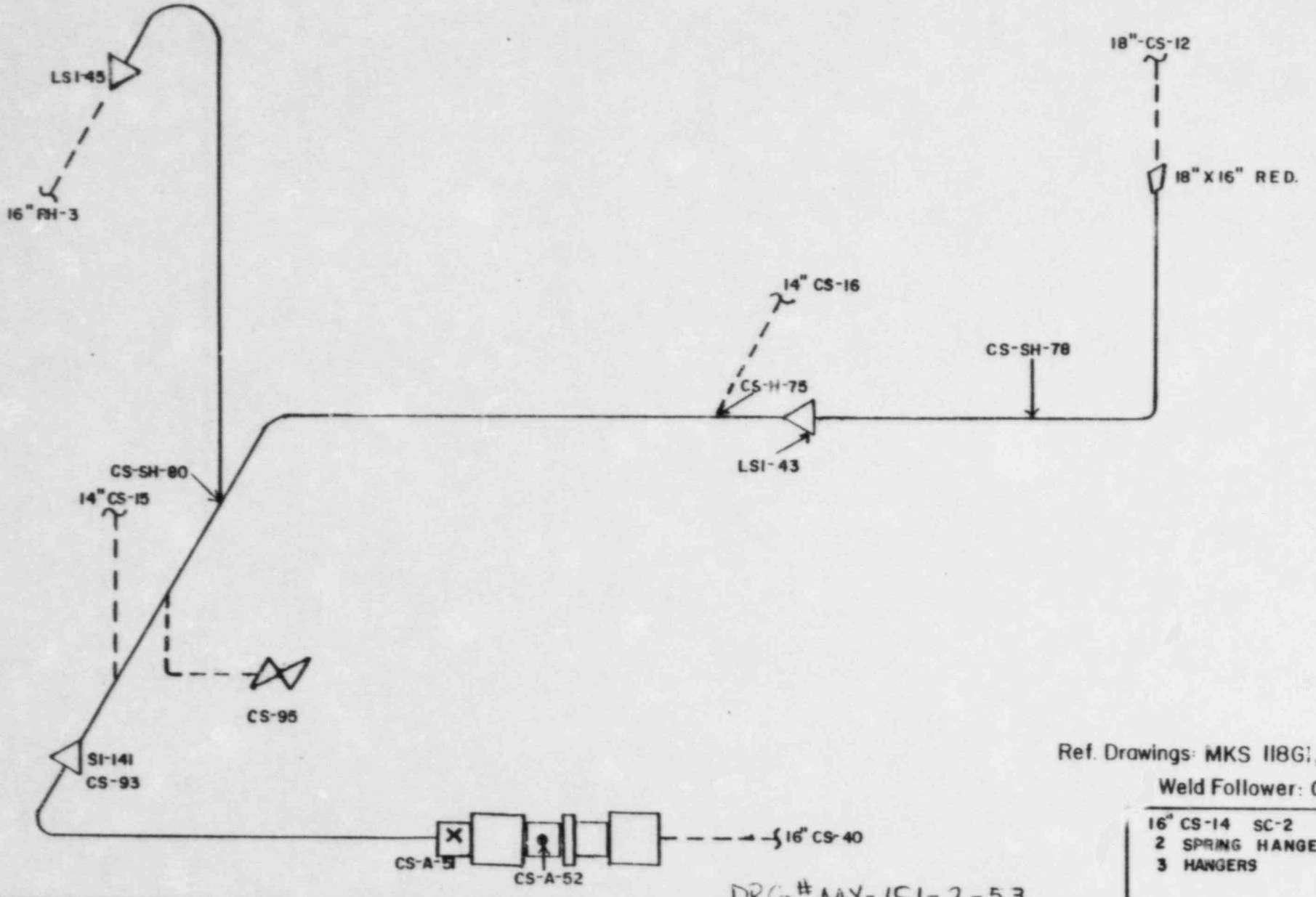
Ref. Drawing: MKS 118GI-3

Weld Follower CS-6

DRG # MY-ISI-2-52

Location: Containment Spray Pump House

LOCATION; CONT. SPRAY BLDG.



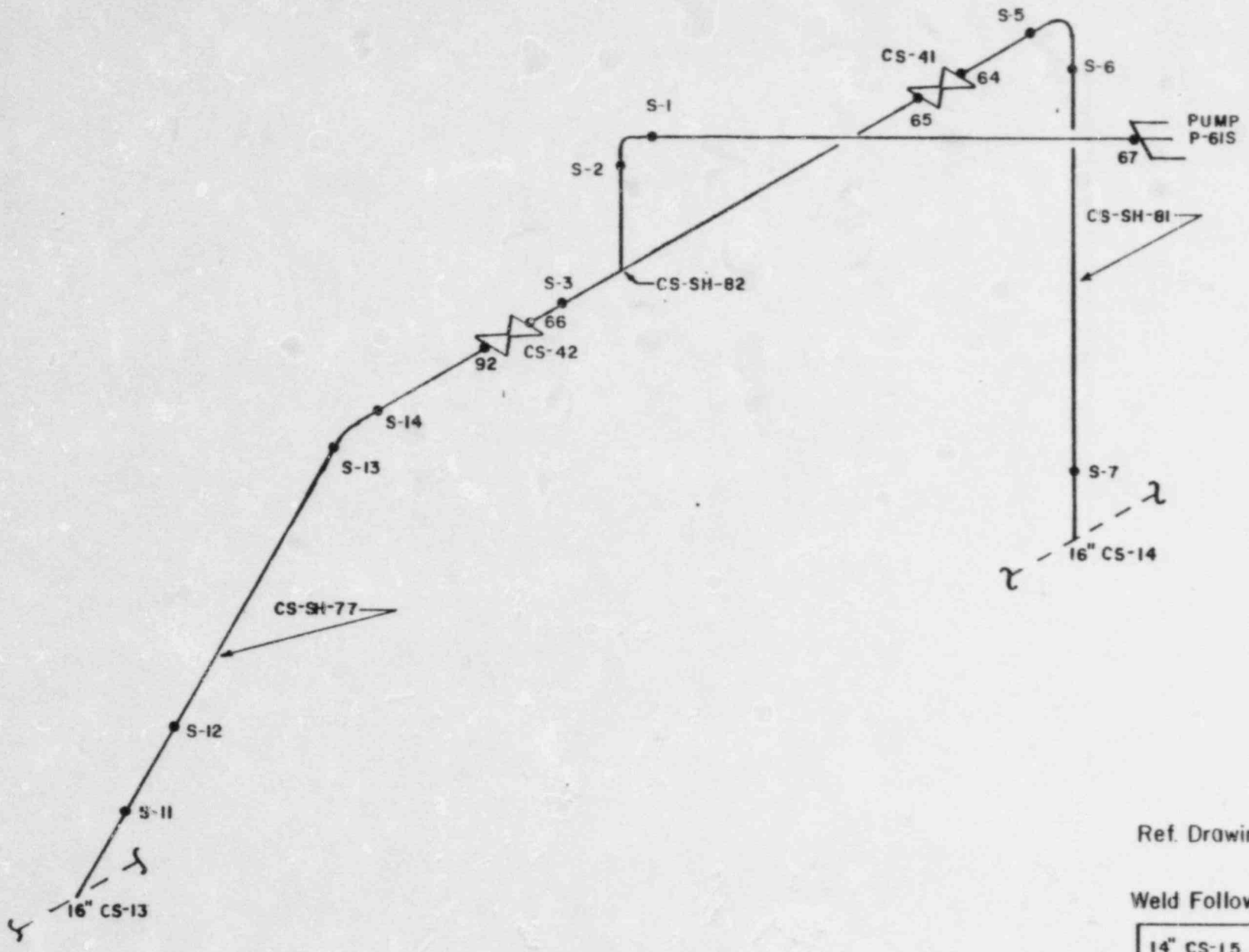
Ref. Drawings: MKS 1186, G2

Weld Follower: CS-5

16" CS-14	SC-2
2	SPRING HANGERS
3	HANGERS

DRG # MY-151-2-53

LOCATION; CONTAINMENT SPRAY BLDG.



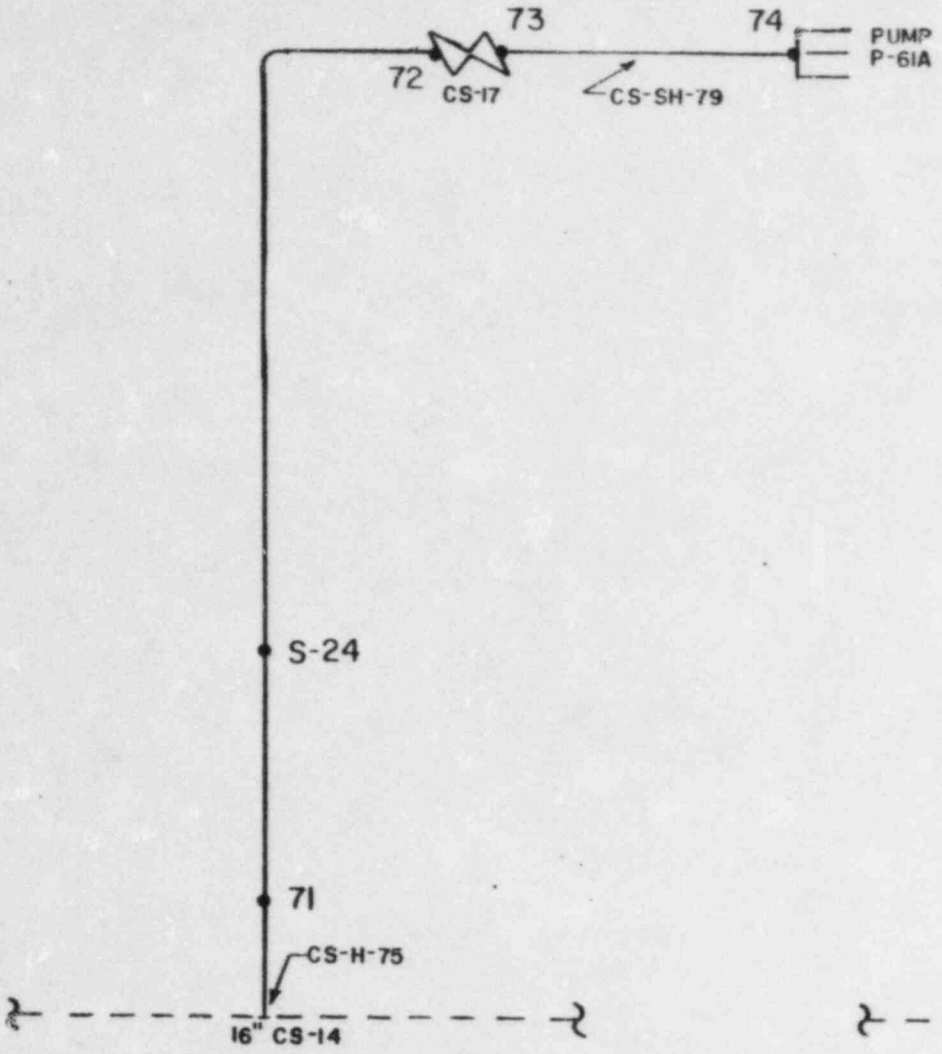
Ref. Drawings: MKS 1181
1182

Weld Follower CS-5

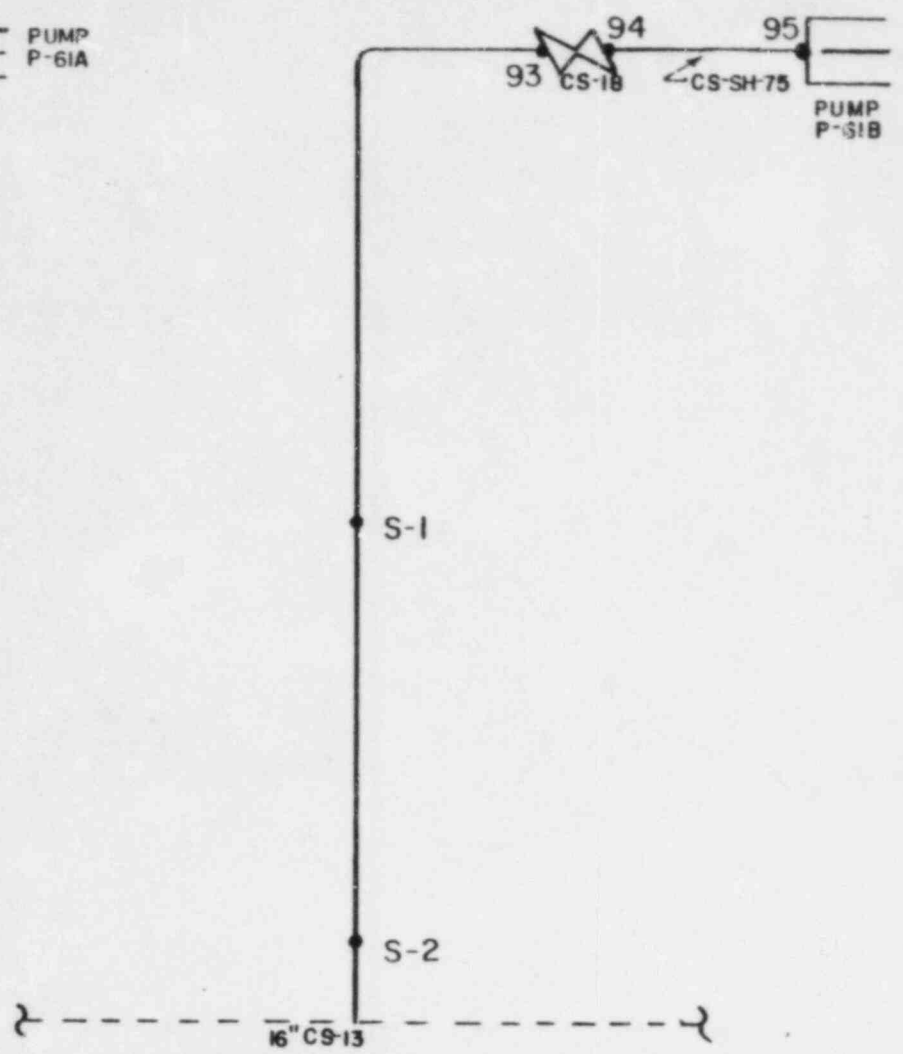
14" CS-15 SC-2
3 SPRING HANGERS

DRG # MY-151-2-54

LOCATION, CONTAINMENT SPRAY BLDG.



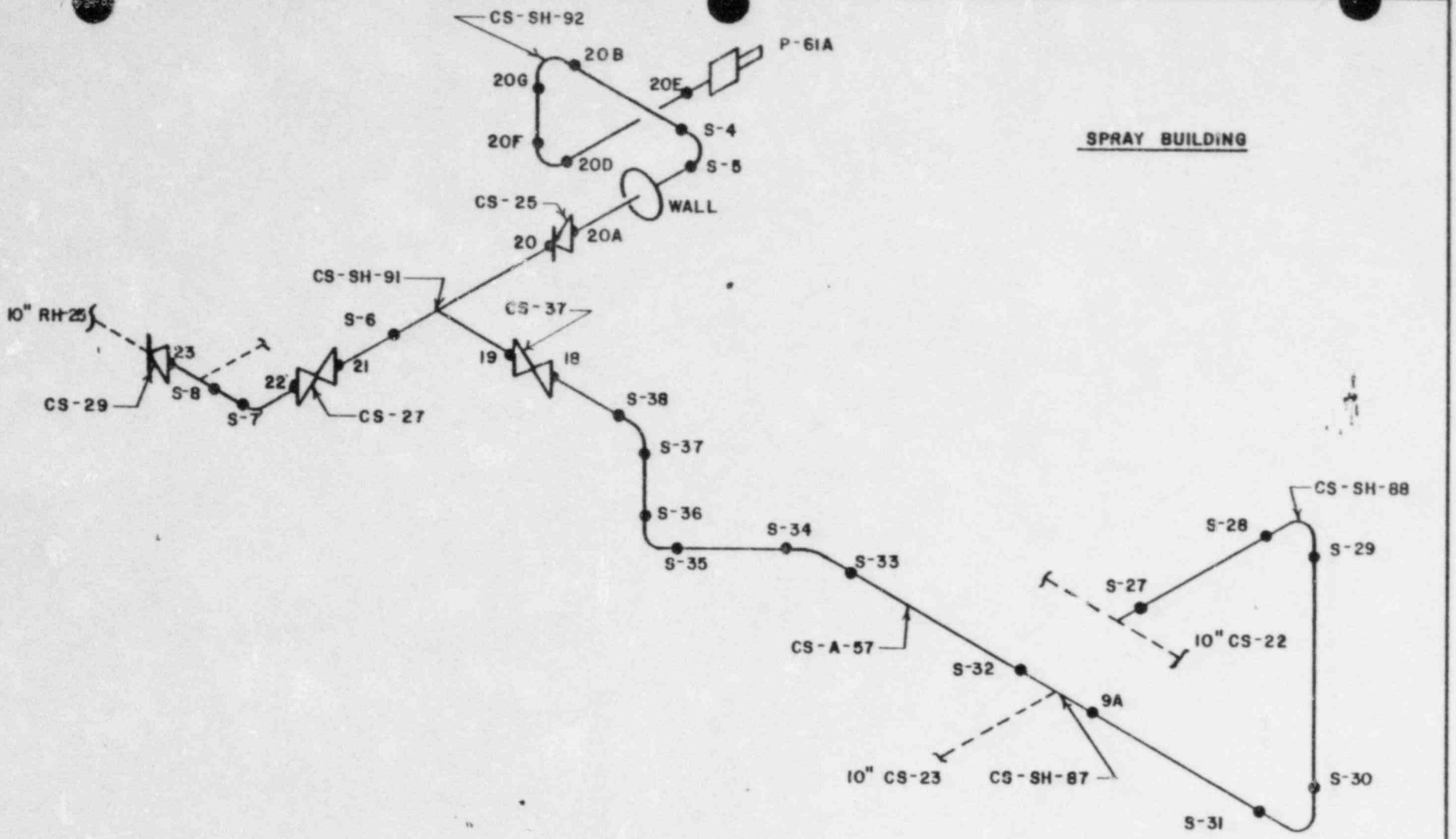
Ref. Drawings: MKS 118G2
Weld Follower CS-5



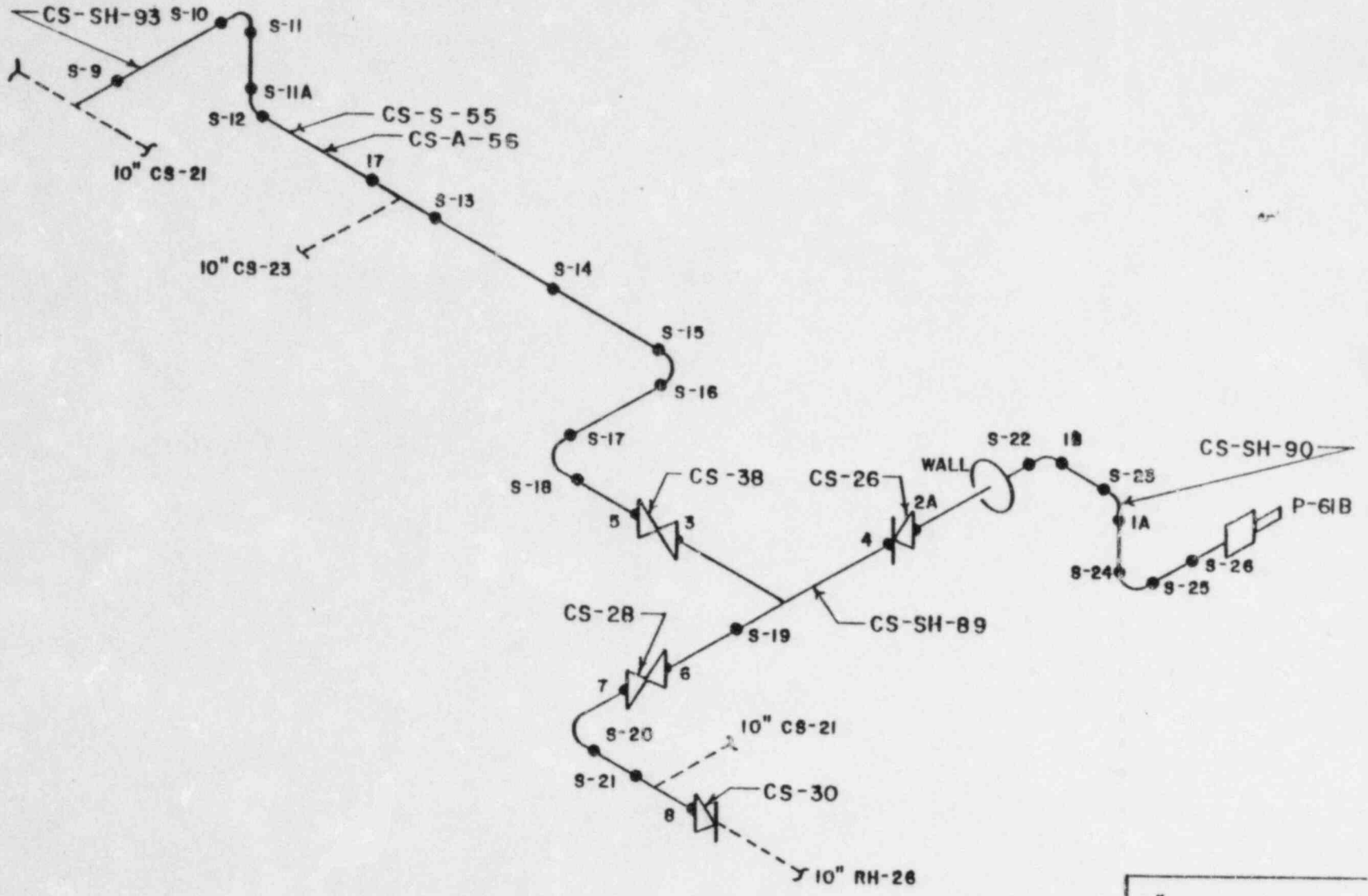
Ref. Drawings: MKS 118G1
Weld Follower: CS-5

14" CS-16 14" CS-17 SC1
1 SPRING HANGER
1 HANGER

DRG # MY-151-2-55


CS-SH-92
20B
P-61A
20G
20E
S-4
20F
20D
S-5
WALL
CS-25
20
20A
CS-SH-91
10" RH-25
S-6
CS-37
23
21
19
18
S-8
22
CS-29
S-7
CS-27
S-38
S-37
S-36
S-34
S-35
S-33
CS-A-57
S-32
9A
10" CS-23
CS-SH-87
S-31
S-30
S-27
S-28
CS-SH-88
S-29
10" CS-22
SPRAY BUILDING
10" CS-21-152R
30 WELDS
5 SUPPORTS
REF. MKS 107C 2
DRG # MY-151-2-56

SPRAY BUILDING

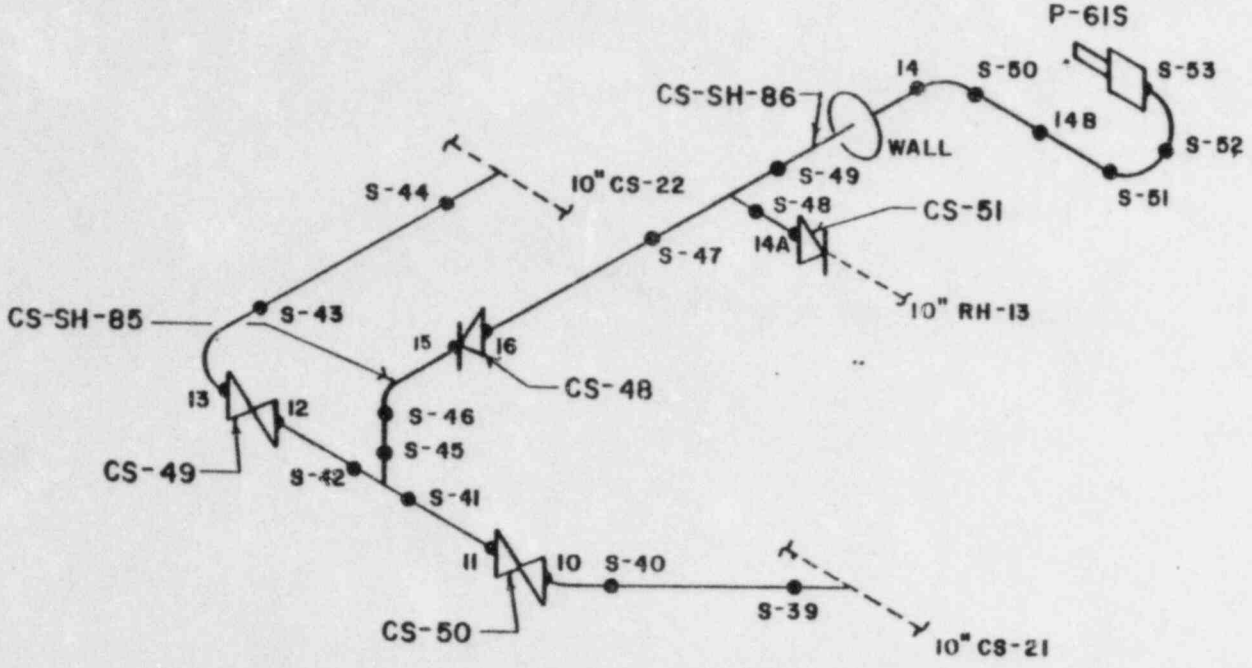


10" CS-22-152R
29 WELDS
5 SUPPORTS

REF. MKS 107C1

DRG # MY-151-2-57

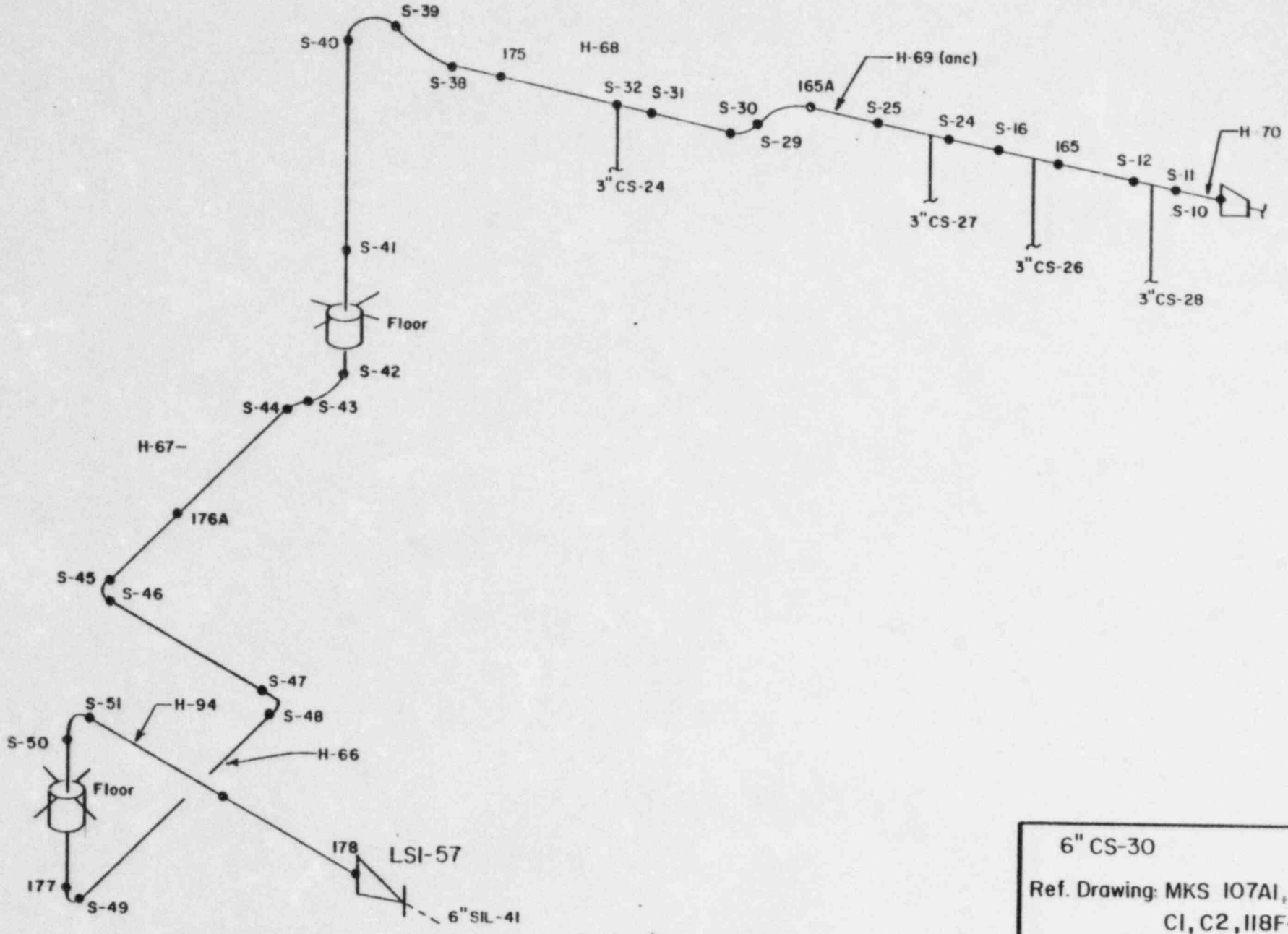
SPRAY BUILDING



DRG # MY-151-2-58

REF. MKS 107C2

10"CS-23-152R
24 WELDS
2 SUPPORTS

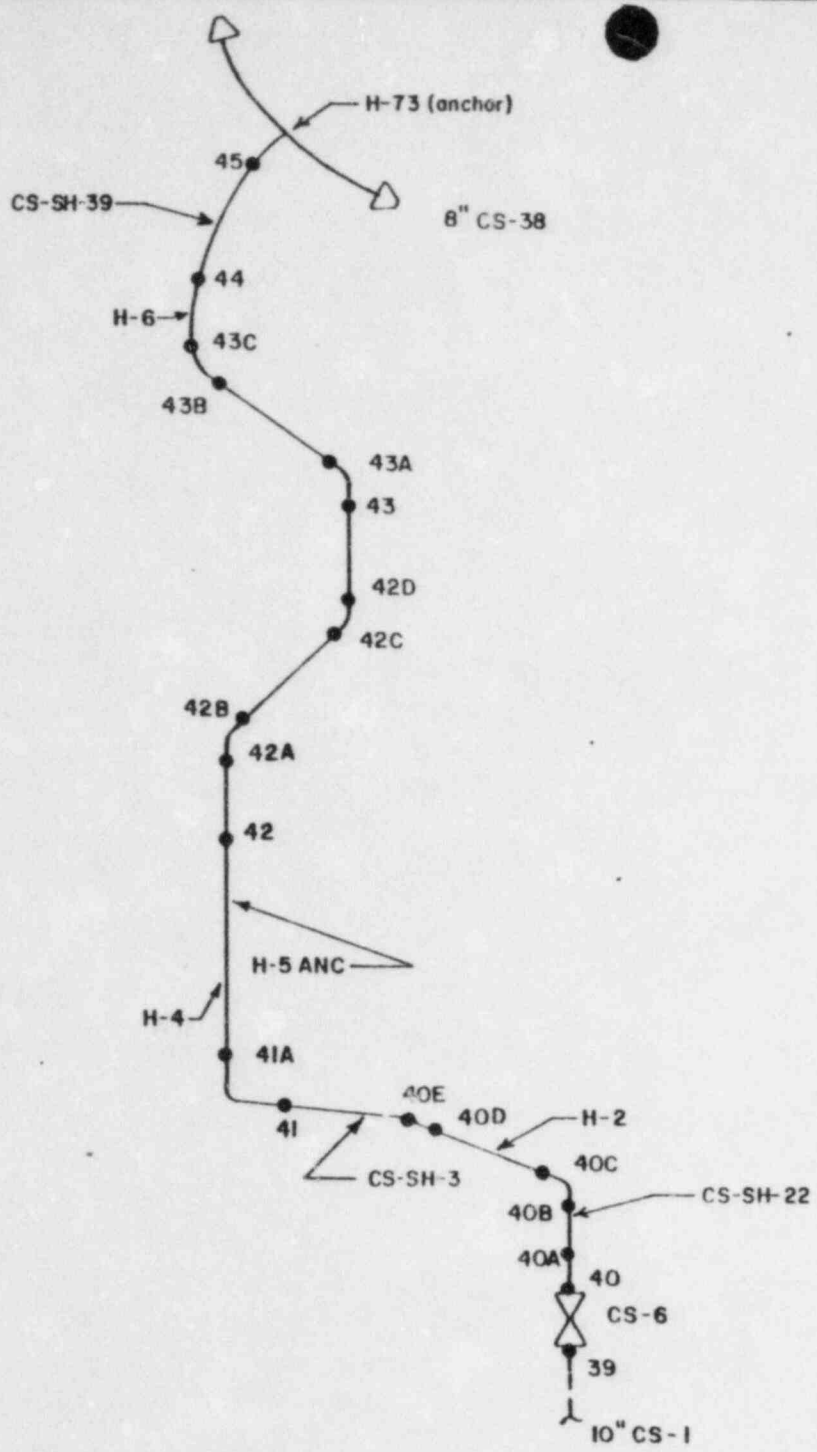


DRG # MY-1S1-2-59

6" CS-30

Ref. Drawing: MKS 107A1, A3
C1, C2, 118F4

Weld Follower: CS-11



LOCATION: CONTAINMENT

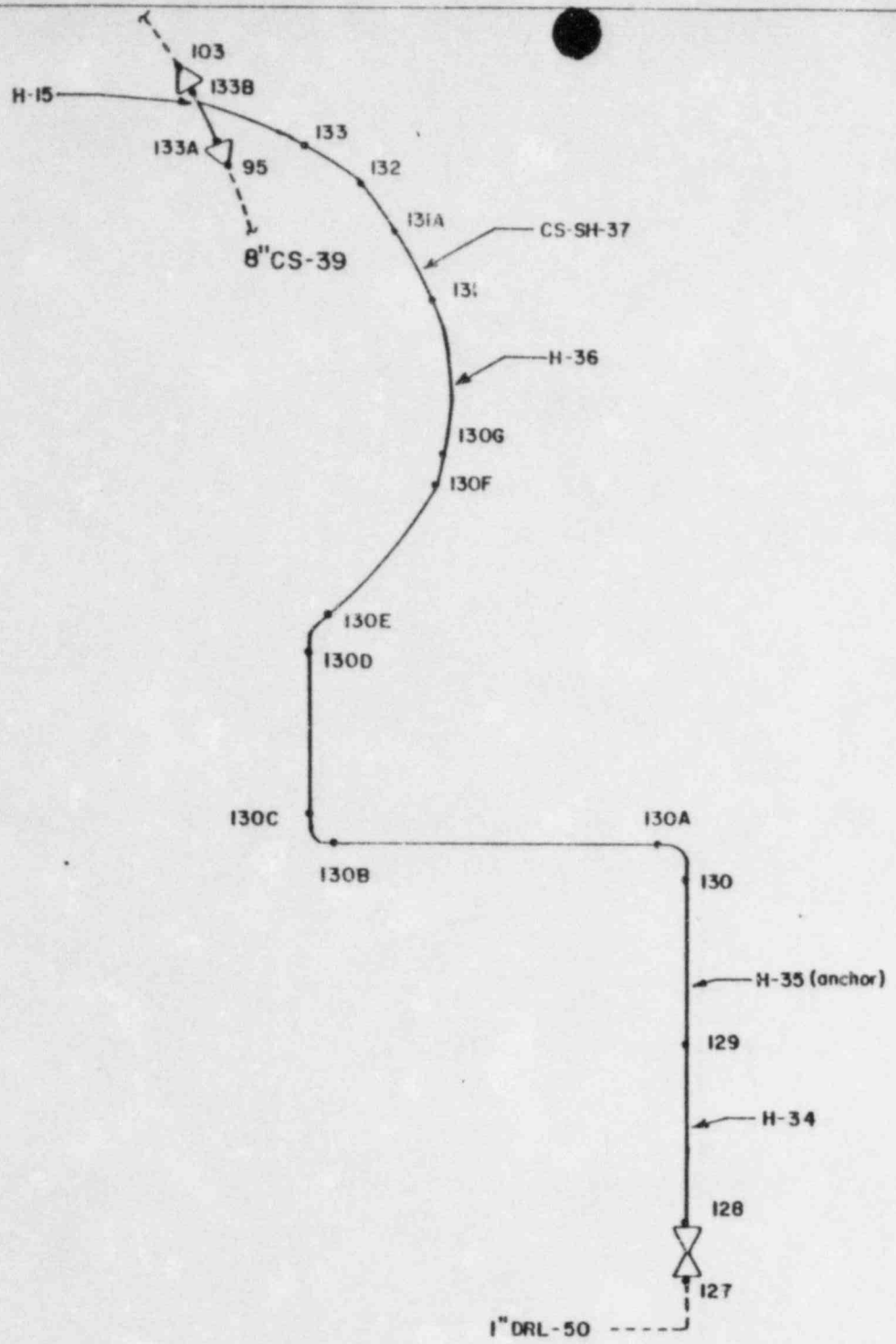
10"CS-36

Reference Drawings:

MKS 118D1, 118E1

WELD FOLLOWER CS-3

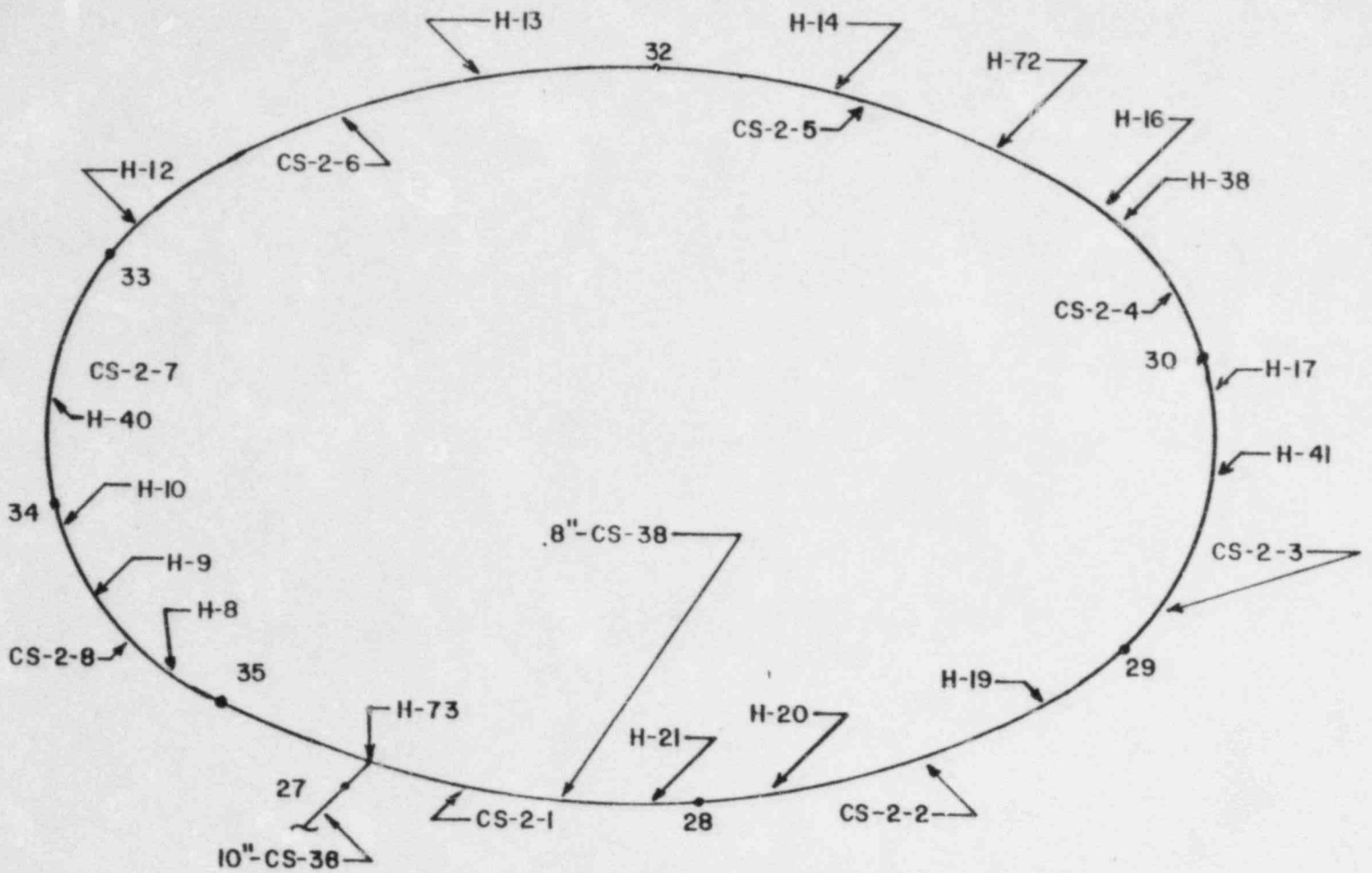
DRG # MY-151-2-60



Location. Containment

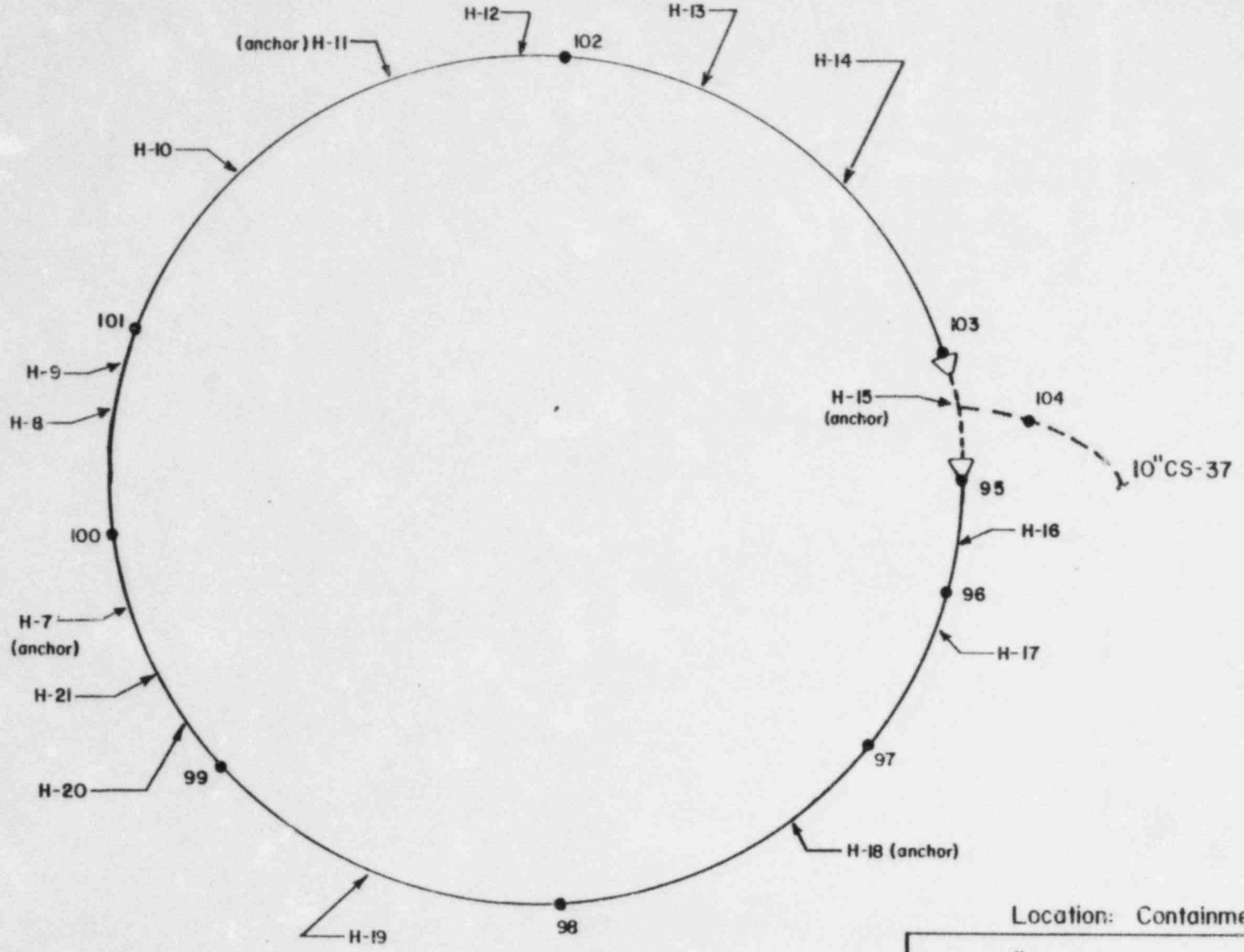
10" CS-37
Reference Drawing:
MKS 118C1

DRG # MY-151-2-61



8"-CS-38
LOCATION: Containment
Ref. Drawings: MKS 118E1

DRG # MY-151-2-62



Location: Containment

8"CS-39

Reference Drawings: MKS 118C1

WELD FOLLOWER CS-7

DRG # MY-151-2-63

IV SAFETY CLASS 3 REQUIREMENTS

The following Safety Class 3 examination requirements were determined in accordance with the 1980 edition of ASME, Sec. XI addended to the winter of 1980, except as noted in the following tables.

1.0 SAFETY CLASS 3 COMPONENTS

ITEM	TOTAL NUMBER IN PLANT	TO BE INSPECTED THIS INTERVAL 1	2	3	RELIEF REQUEST	REMARKS
Leak Test		X	X	X		Each refueling
Hydrostatic Tests						Once per interval
Integral Attachments	38	13	13	12		

SAFETY CLASS 3 INTEGRAL ATTACHMENTS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
					100% of each attachment				
Line 16" SCC-1	H-12	VT-3				X			
	SCC-SH-1	VT-3					X		
16" SCC-2	H-13	VT-3						X	
16" SCC-7	H-20	VT-3				X			
16" SCC-11	H-74	VT-3					X		
	SCC-SH-68	VT-3						X	
	H-4	VT-3				X			
16" SCC-13	H-71	VT-3					X		
	SCC-SH-1	VT-3						X	
	H-3	VT-3				X			
16" PCC-1	PCC-SH-4	VT-3					X		
16" PCC-2	H-1	VT-3						X	
	H-2	VT-3				X			
16" PCC-3	H-17	VT-3					X		
	H-18	VT-3						X	
20" PCC-5	PCC-SH-1	VT-3				X			
20" PCC-8	H-77	VT-3					X		
16" PCC-12	H-41	VT-3						X	
14" PCC-17	PS-1	VT-3				X			
16" PCC-18	PCC-SH-11	VT-3					X		
	H-9	VT-3						X	
	H-8	VT-3				X			
16" PCC-19	H-13	VT-3					X		
	PCC-SH-23	VT-3						X	
	H-21	VT-3				X			
	H-20	VT-3					X		
12" PCC-45	H-96	VT-3						X	
12" PCC-46	H-37	VT-3				X			
8" PCC-79	H-60	VT-3					X		
6" PCC-81	H-47	VT-3						X	
8" WCPR-13	H-333	VT-3				X			
	H-334	VT-3					X		
	H-387	VT-3						X	
8" WCPR-12	H-385	VT-3				X			
6" WAFD-17	H-393	VT-3					X		

SAFETY CLASS 3 INTEGRAL ATTACHMENTS

ITEMS	COMPONENT IDENT.	METHOD	CAL. BLOCK	MATERIAL	EXTENT OF EXAMINATION THIS INTERVAL	PERIOD 1	PERIOD 2	PERIOD 3	REMARKS
					100% of each attachment				
WAFD-17 Cont'd.	H-352	VT-3						X	
	H-384	VT-3				X			
6" WAPD-19	H-394	VT-3					X		

2.0 SAFETY CLASS 3 SUPPORTS

Certain Safety Class 3 components are subject to methods of NDE other than pressure testing, in accordance with article IWD of ASME Sec. XI. The examination requirements for the supports to these components are listed in the following tables.

ITEM	TOTAL NO. IN PLANT	TO BE INSPECTED THIS INTERVAL			RELIEF REQUEST	REMARKS
		1	2	3		
Component Supports	38	13	13	12		

SAFETY CLASS 3 COMPONENT SUPPORTS[1]

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
Line 16" SCC-1	H-12	Sliding	--	VT-3	X			
	SCC-SH-1	Spring	1150 ± 230	VT-3, VT-4		X		
			1100 ± 220					
16" SCC-2	H-13	Sliding	--	VT-3			X	
	H-20	Rod	--	VT-3	X			
	H-74	Sliding	--	VT-3		X		
	SCC-SH-68	Spring	1040 ± 208	VT-3, VT-4			X	
	H-4	Vertical	--	VT-3	X			
16" SCC-13	H-71	Sliding	--	VT-3		X		
	SCC-SH-1	Spring	1170 ± 234	VT-3, VT-4			X	
	H-3	Vertical	--	VT-3	X			
16" PCC-1	PCC-SH-4	Spring	1000 ± 200	VT-3, VT-4		X		
			900 ± 180					
16" PCC-2	H-1	Sliding	--	VT-3			X	
	H-2	Sliding	--	VT-3	X			
16" PCC-3	H-17	Sliding	--	VT-3		X		
	H-18	Sliding	--	VT-3			X	
20" PCC-5	PCC-SH -1	Spring		VT-3, VT-4	X			
20" PCC-8	H-77	Anchor	--	VT-3		X		
16" PCC-12	H-41	Anchor	--	VT-3			X	
14" PCC-17	PS-1	Sliding	--	VT-3	X			
16" PCC-18	PCC-SH-11	Spring	1300 ± 260	VT-3, VT-4		X		
	H-9	Sliding	--	VT-3			X	
	H-8	Sliding	--	VT-3	X			
16" PCC-19	H-13	Anchor	--	VT-3		X		
	PCC-SH-23	Spring	1430 ± 186	VT-3, VT-4			X	
			1560 ± 312					
	H-21	Sliding	--	VT-3	X			
	H-20	Sliding	--	VT-3		X		
12" PCC-45	H-96	Sliding	--	VT-3			X	
12" PCC-46	H-37	Sliding	--	VT-3	X			
8" PCC-79	H-60	Lateral	--	VT-3		X		
6" PCC-81	H-47	Anchor	--	VT-3			X	
8" WCPR-13	H-333	Anchor	--	VT-3	X			
	H-334	Sliding	--	VT-3		X		

NOTES: 1) The integral attachments chosen under artical IWD correspond to the component supports chosen under IWF.

SAFETY CLASS 3 COMPONENT SUPPORTS[1]

LINE DESIGNATION	COMPONENT	TYPE	DESIGN LOAD	METHOD	INTERVAL 2			REMARKS
					1	2	3	
WCPR-13 Cont'd.	H-387	Anchor	--	VT-3			X	
8" WCPR-12	H-385	Vertical	--	VT-3	X			
6" WAPD-17	H-393	Anchor	--	VT-3		X		
	H-352	Anchor	--	VT-3			X	
	H-384	Rod	--	VT-3	X			
6" WAPD-19	H-394	Lateral	--	VT-3		X		

NOTES: 1) The integral attachments chosen under artical IWD correspond to the component supports chosen under IWF.

3.0 SAFETY CLASS 3 RELIEF REQUESTS

Number: 12

System: Chemical and Volume Control; Seal Water Return from the Reactor Coolant Pumps

Safety Class: 2/3

Line(s)/Component(s): CH-77, CH-81, CH-82, CH-83, CH-92, CH-95, CH-249, CH-251, CH-253, CH-255, CH-257, CH-258, DRL-121 and DRL-122

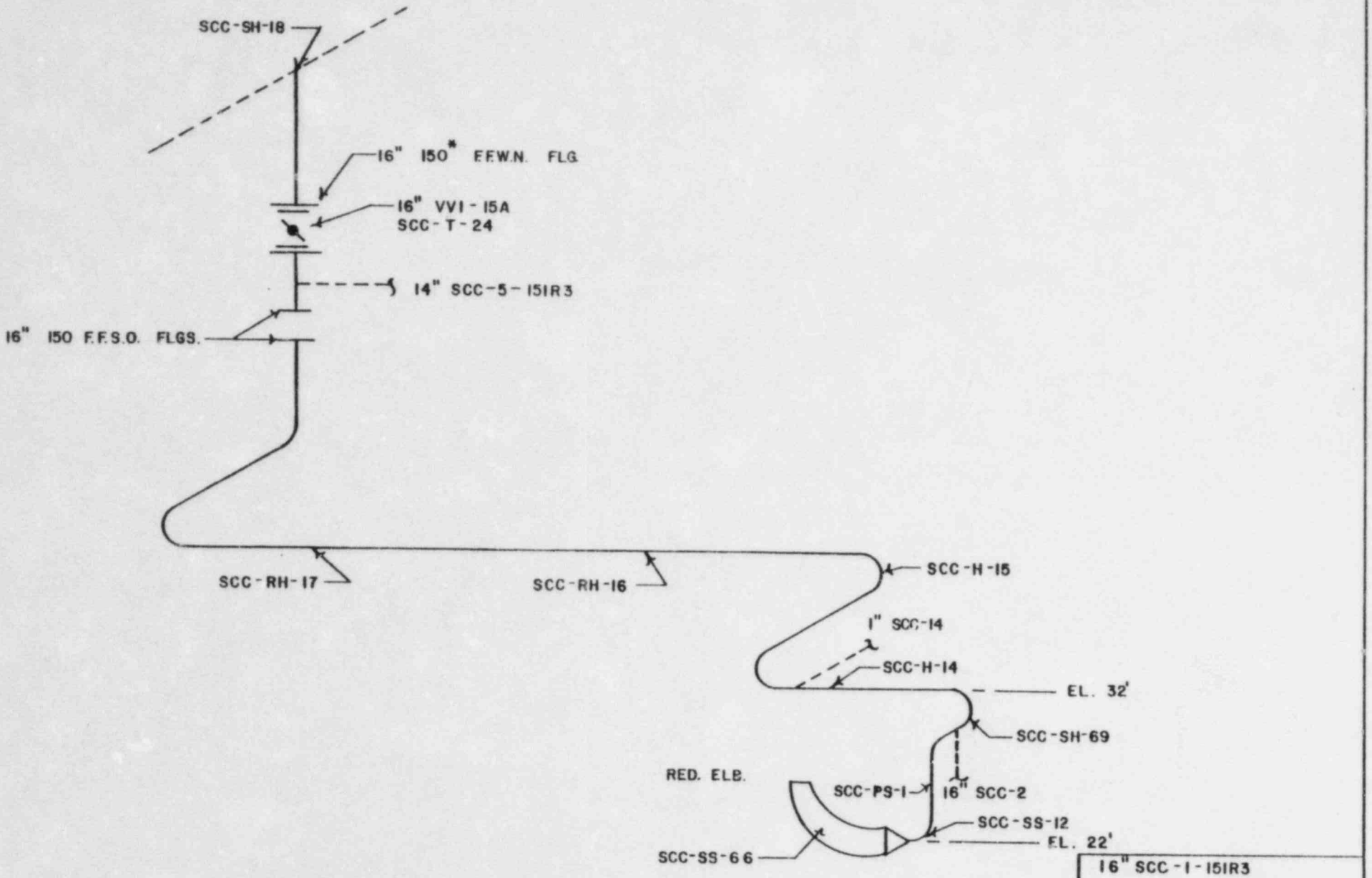
Requirement: Paragraph IWD-121C - The examination requirements of IWD shall apply to Class 3 pressure retaining components and their integral attachments.

Basis for Relief: The Seal Water System was classified as Safety Class 3 based on ANSI N18.2-1973. Due to the design of the reactor coolant pump seals, however, it has been determined that the return lines (listed above) are not required for the functioning of "Components Important to Safety" (i.e., the reactor coolant pumps), which is the criteria used to classify components as Quality Group C under Regulatory Guide 1.26. A failure of any of these lines would not necessitate the shutdown of the reactor coolant pumps or significantly affect plant safety. Therefore, these lines are functionally NNS and are exempt from testing.

Alternate Testing: None

4.0 SAFETY CLASS 3 DRAWINGS

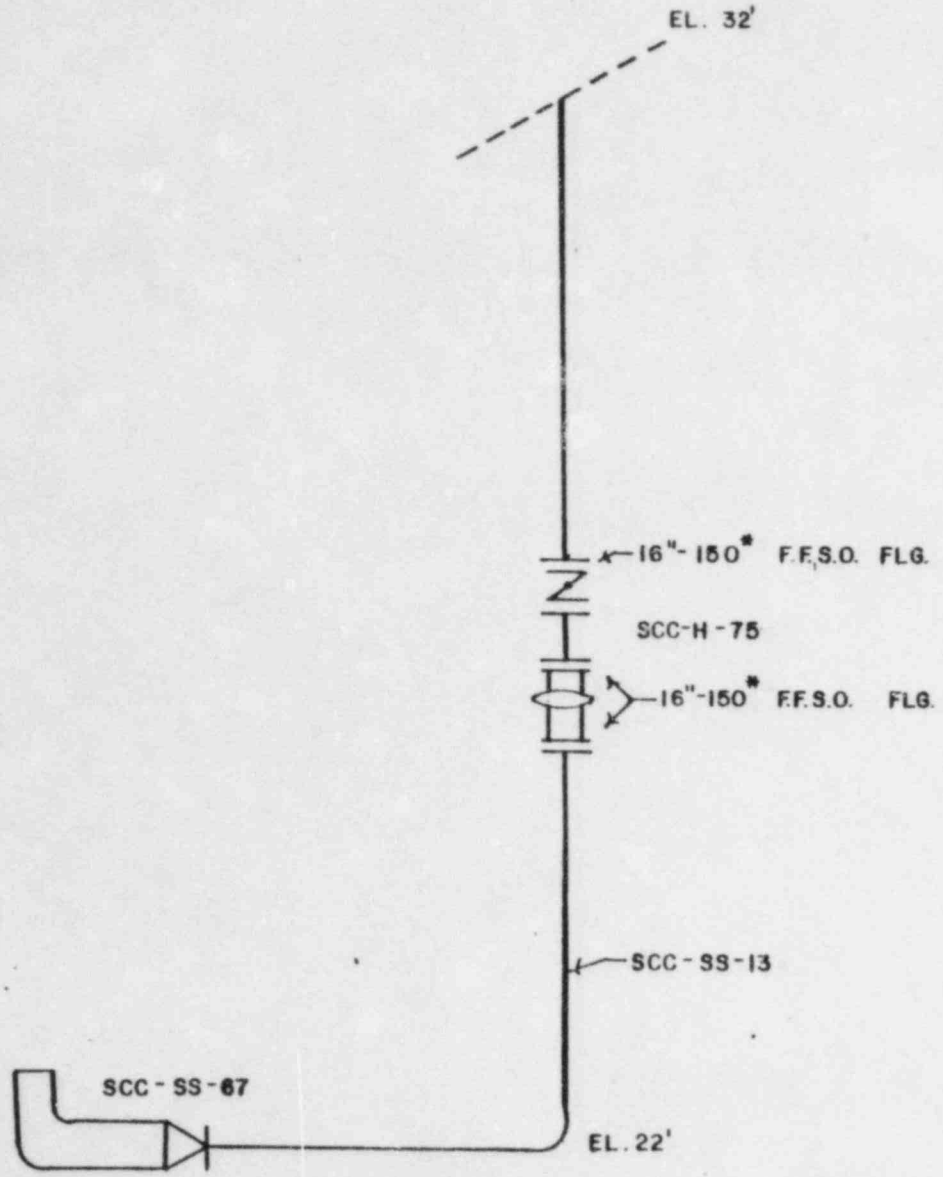
LOCATION: TURBINE BLDG.



16" SCC-1-151R3
1 SPRING HANGER
2 SHOCK SUPPRESSORS
6 HANGERS

DRG. # MY-151-3-1

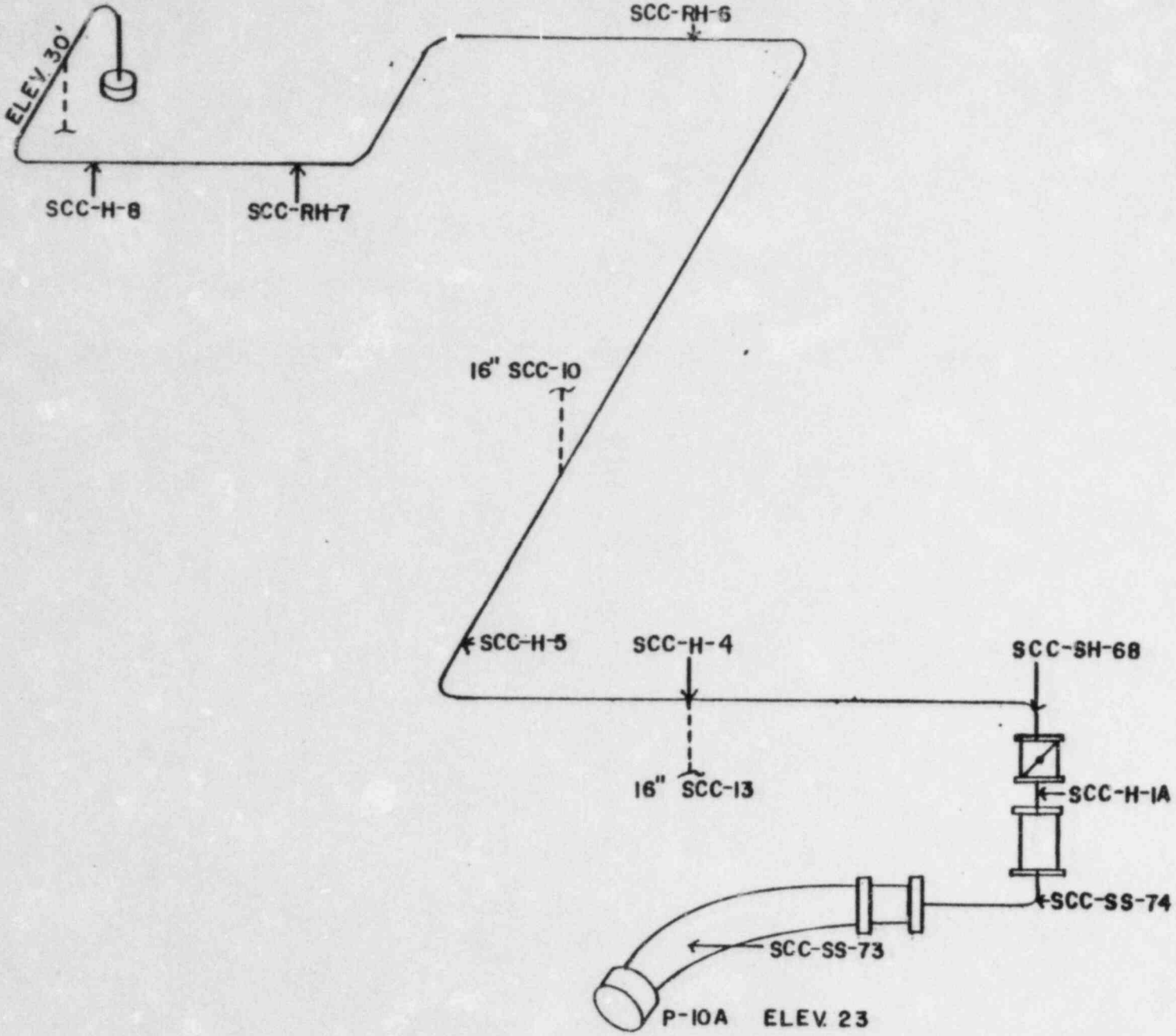
LOCATION: TURBINE BLDG.



16" SCC-2-151R3
1 HANGER
2 SHOCK SUPPRESSORS

DRG. # MY-151-3-2

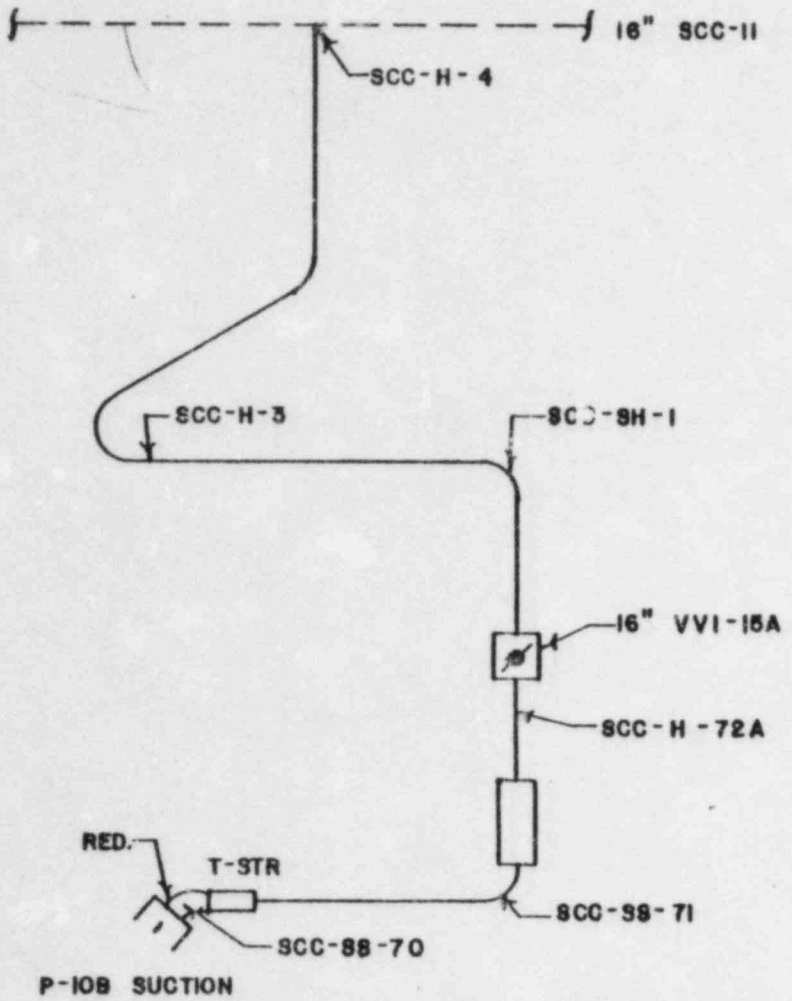
LOCATION: TURBINE BLDG.



16" SCC-11 SC-3
1 SPRING HANGER
6 HANGERS
2 SHOCK SUPPR.

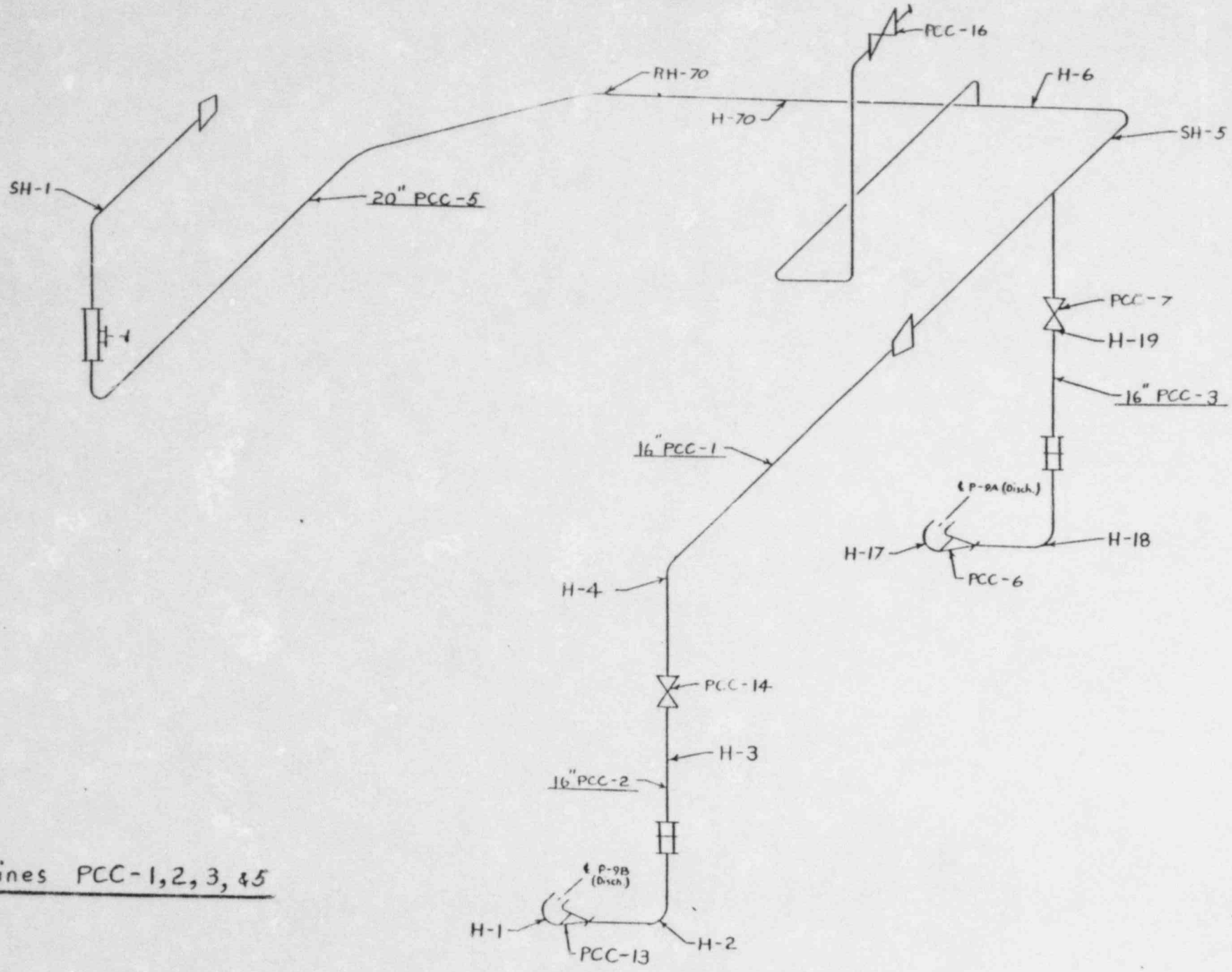
DRG. # MY-151-3-4

LOCATION: TURBINE BLDG.



16" SCC-13-151R3
3 HANGERS
1 SPRING HANGER
2 SHOCK SUPP.

ORG. # MY-151-3-5

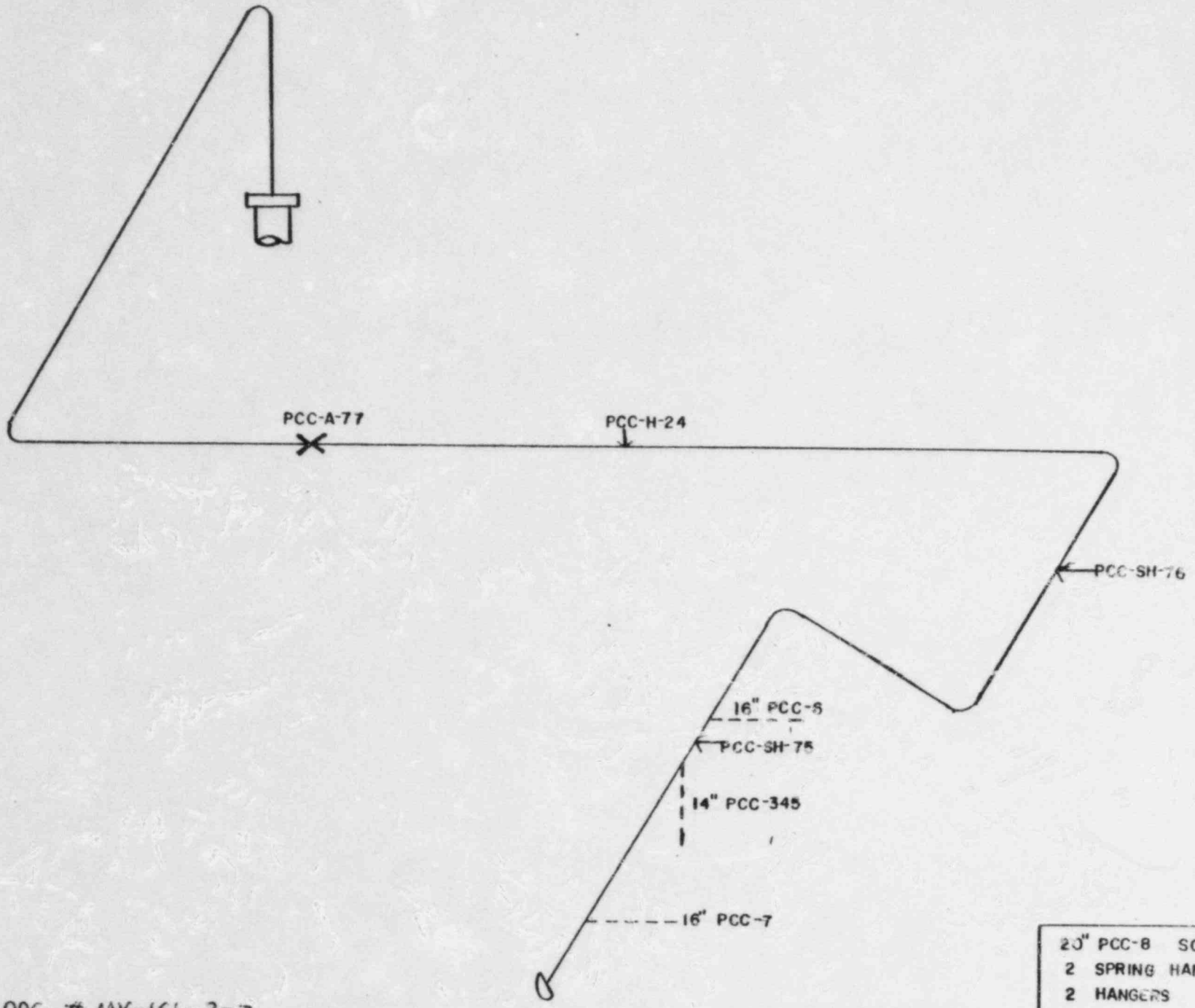


Lines PCC-1, 2, 3, 45

Ref. MKS-117F1

DRG. # MY-151-3-6

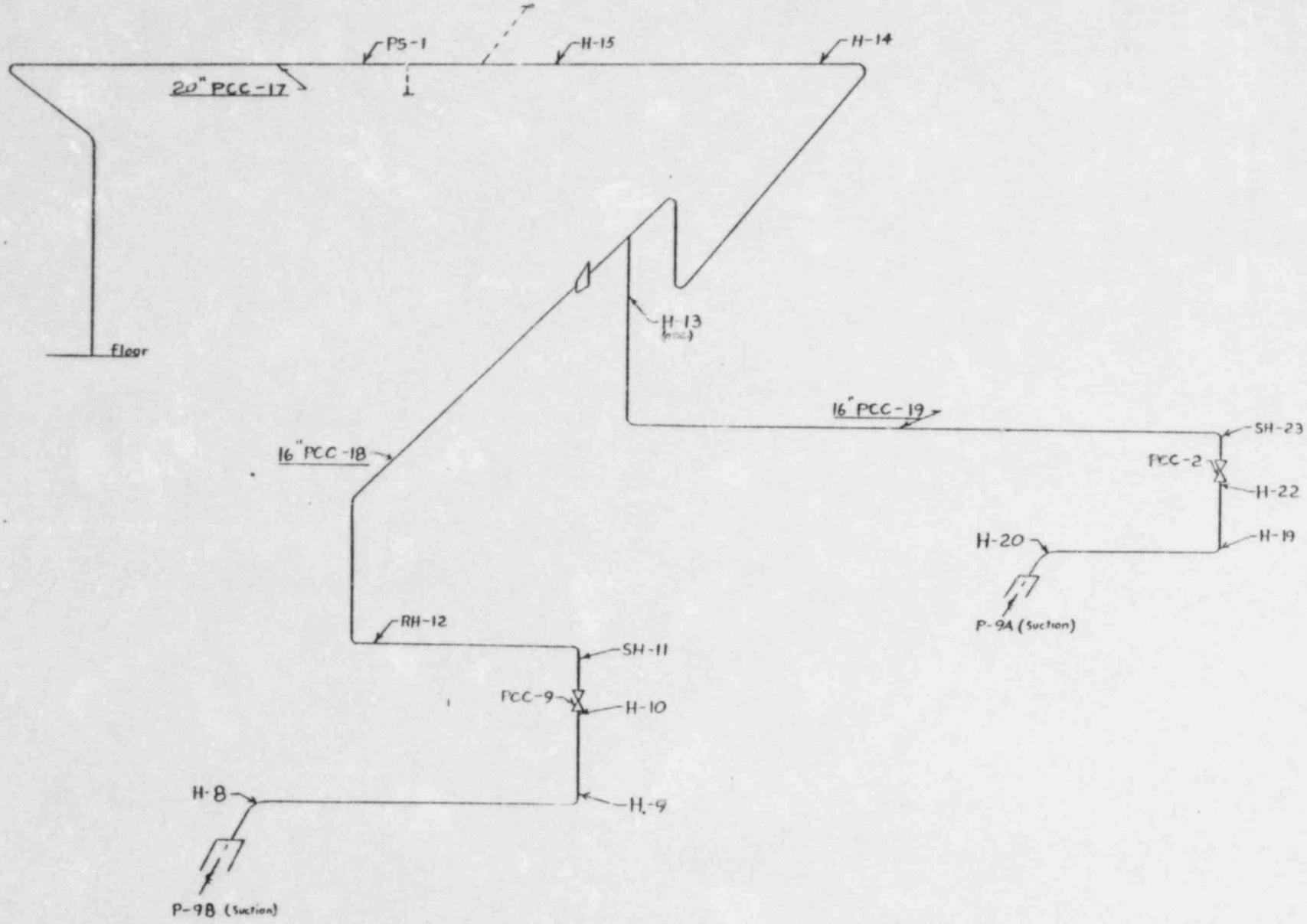
LOCATION: TURB. G ELEV. 31



20" PCC-8 SC-3
2 SPRING HANGERS
2 HANGERS

ORG. # MY-151-3-7

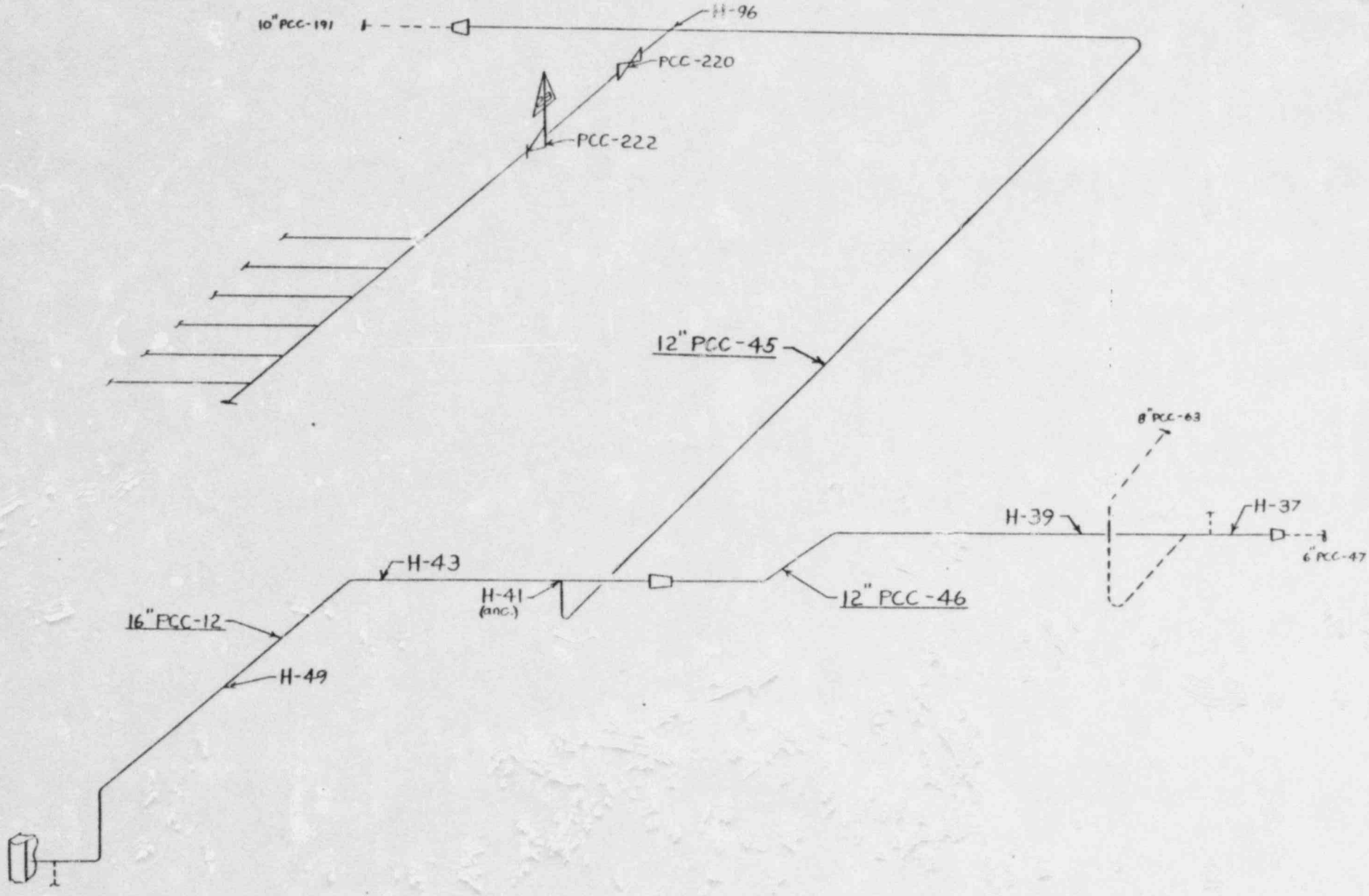
LINES PCC-17, 18, & 19



Ref. MKS-1176 1

DRG. # MY-1SI-3-B

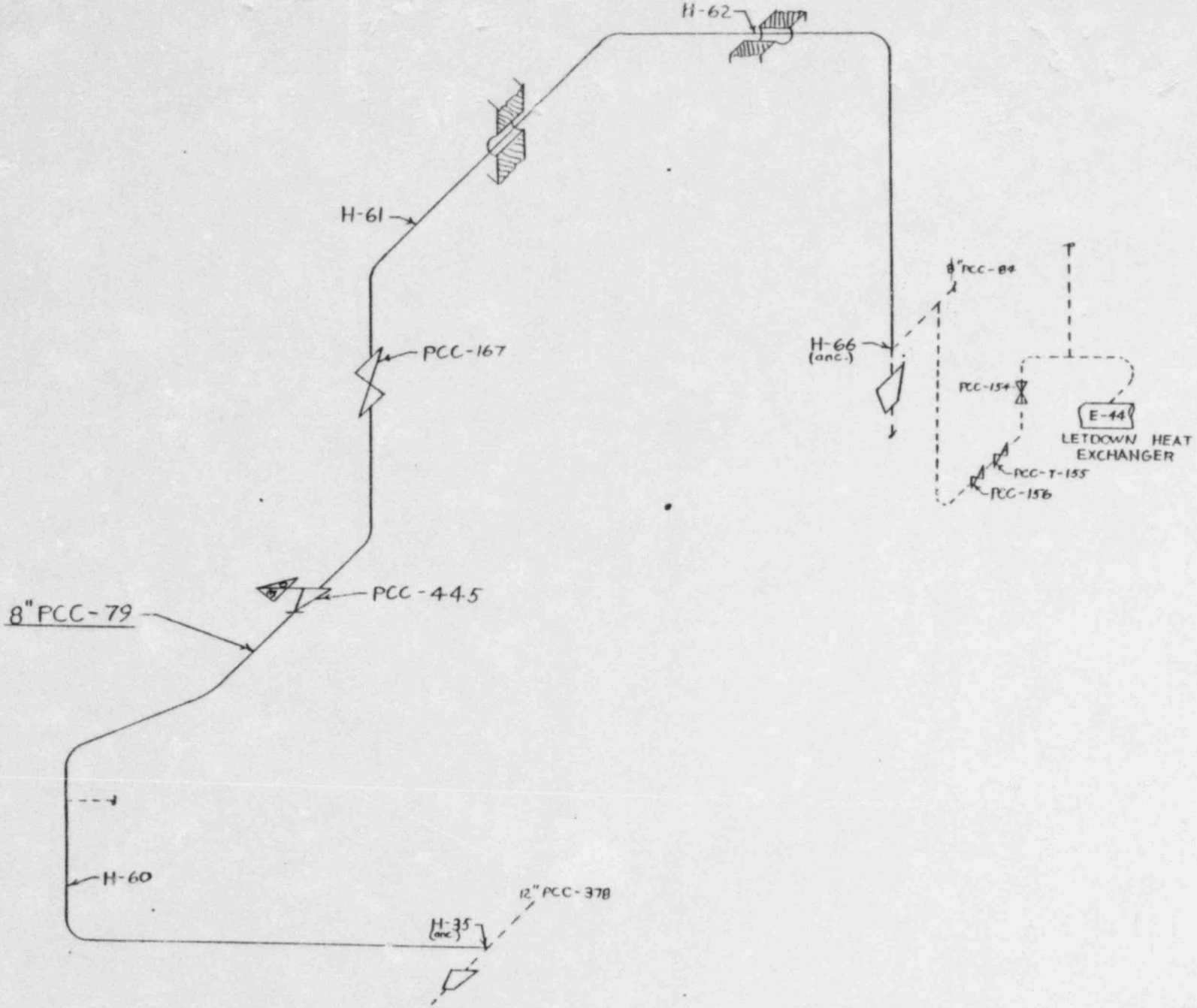
LINES PCC-12, 45, & 46



Ref. MKS-11741

DRG. # MY-151-3-9

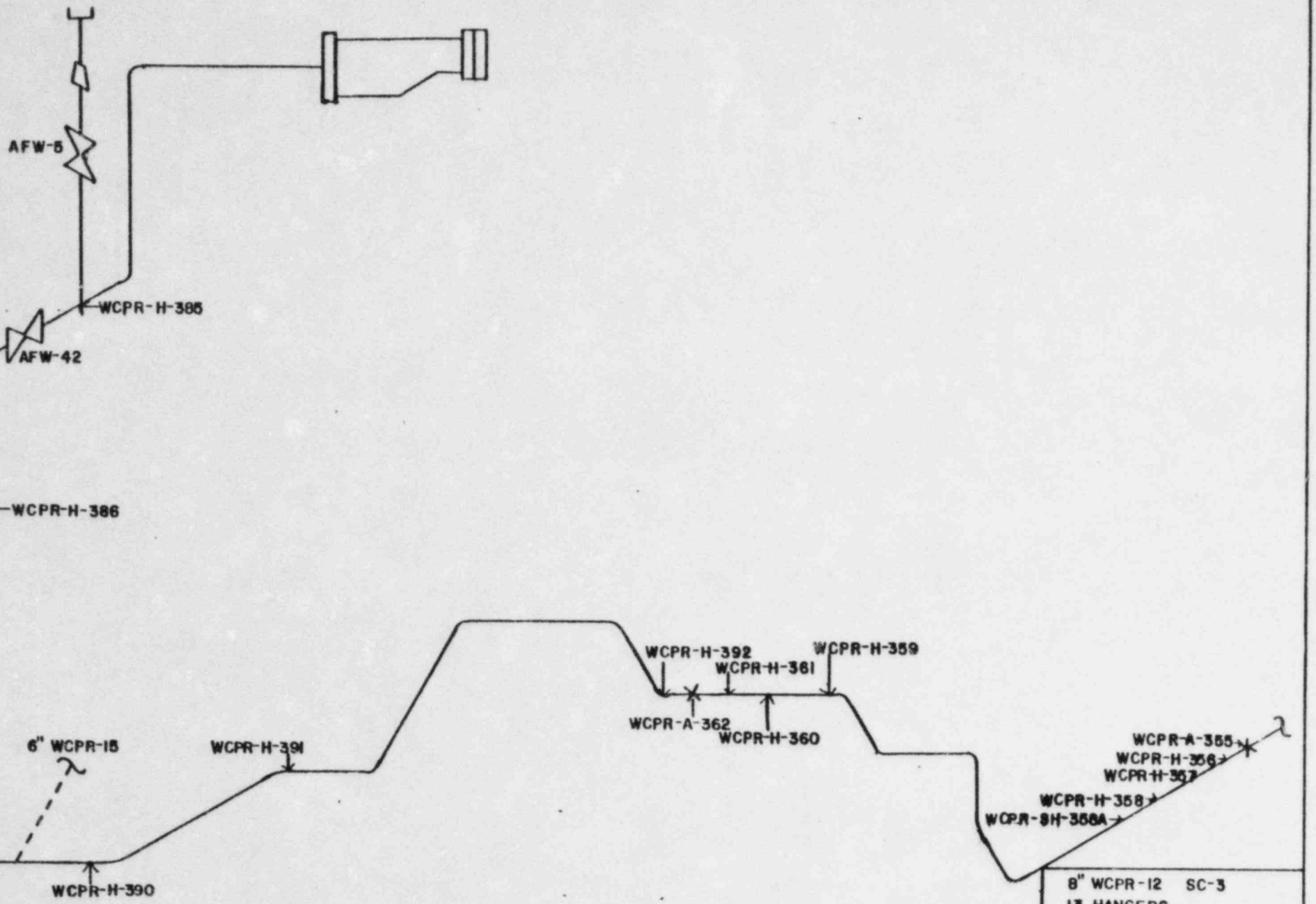
LINE 8" PCC-79



Ref. MKS-117K2

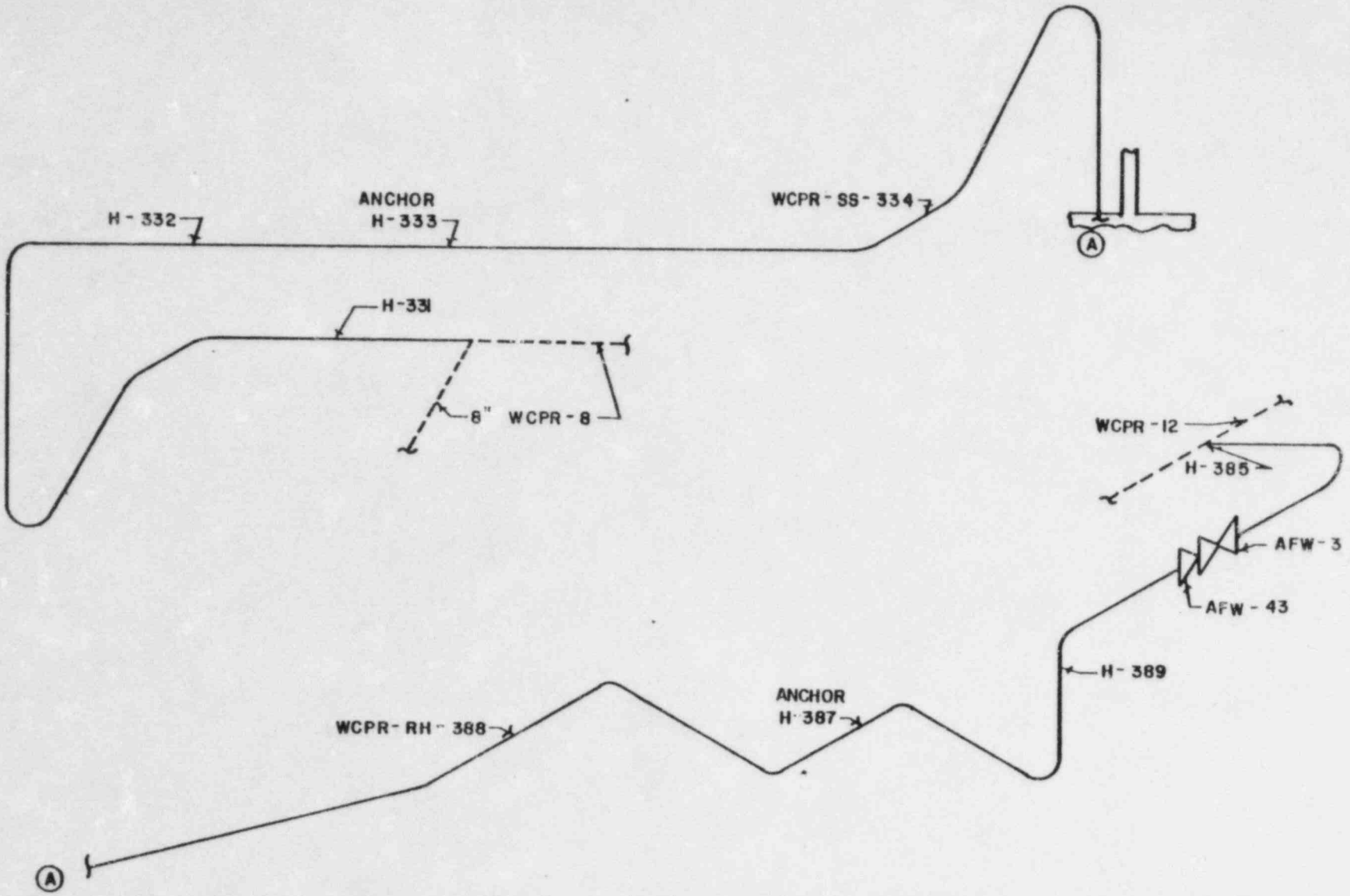
DRG. # MY-1SI-3-10

LOCATION: P.A.B. AND FUEL BLDG. ELEV. 17'



DRG. # MY-151-3-12

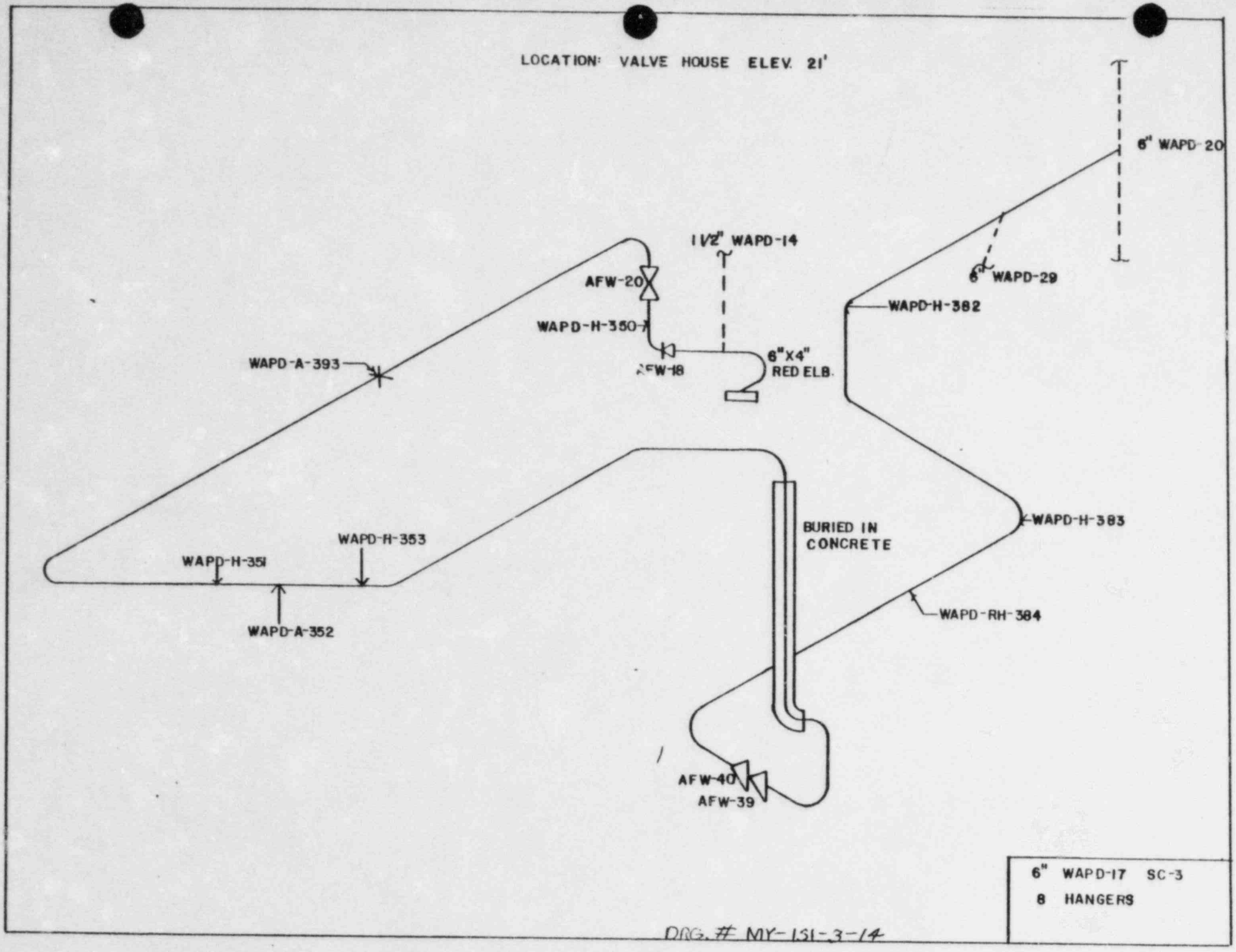
LOCATION. VALVE HOUSE



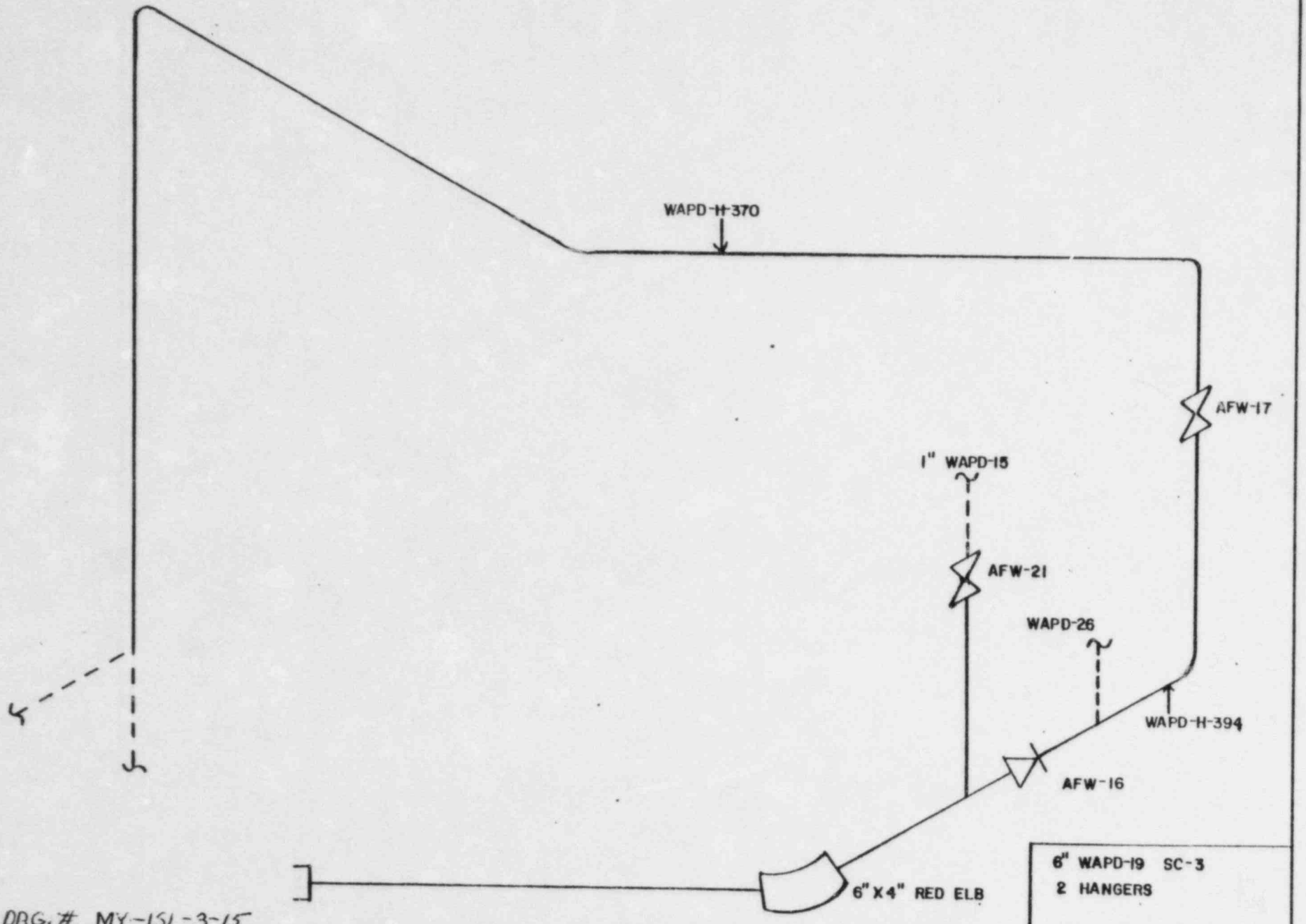
8" WCPR - 13 - 151R3

7 HANGERS
1 SS

DRG. # MY-151-3-13


LOCATION: VALVE HOUSE ELEV. 21'
6" WAPD-20
1 1/2" WAPD-14
AFW-20
6" WAPD-29
WAPD-H-382
WAPD-H-350
WAPD-A-393
AFW-18
6"X4" RED ELB.
BURIED IN CONCRETE
WAPD-H-383
WAPD-H-353
WAPD-H-351
WAPD-RH-384
WAPD-A-352
AFW-40
AFW-39
6" WAPD-17 SC-3
8 HANGERS
DRG. # MY-151-3-14

LOCATION: P.A.B. ELEV. 30'



DRG. # MY-151-3-15

V. HYDROSTATIC TEST REQUIREMENTS

1.0 SAFETY CLASS 1 SYSTEM

HYDROSTATIC PRESSURE TEST

In Accordance With ASME Code

Section XI IWB-5000

SAFETY CLASS 1 SYSTEMS

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
Reactor Coolant System	2250	2295	FM-30A	Test Temp. over 500°F

2.0 SAFETY CLASS 2 SYSTEM

HYDROSTATIC PRESSURE TEST

In Accordance with ASME Code

Section XI IWC-5000

CLASS 2
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
Chemical and Volume Control				
CH-1	50	188	FM-31B	Notes 1 and 2
CH-2	50	188		Notes 1 and 2
CH-3	150	188		
CH-4	150	188		
CH-5	150	188		
CH-6	150	188		
CH-8	150	188		
CH-9	215	188		Note 2
CH-10	150	188		
CH-11	150	188		
CH-12	215	188		Note 2
CH-13	150	188		
CH-20	2750	188		Note 3
CH-21	2750	188		Note 3
CH-22	2750	188		Note 3
CH-24	2750	188		Note 4, Relief 10
CH-25	2750	188		Note 4, Relief 10
CH-26	2750	188		Note 4, Relief 10
CH-27	2750	188		Note 4, Relief 10
CH-309		188	FM-31A	Note 11
CH-310		188		Note 11
CH-311		188		Note 11
CH-312		188		Note 11
CH-14	50	188	FM-31B	Note 1
CH-15	150	188		
CH-41	150	188		
CH-42	150	188		
CH-89	150	188		
CH-295	150	188		
CH-296	150	188		
CH-109	150	188	FM-31A	
CH-110	150	188		
CH-111	150	188		
CH-230	150	188		
CH-234	150	188		
CH-238	150	188		
CH-260	150	188		
CH-100	200	250	FM-31A	Note 14
CH-101	200	250		Note 14
CH-102	200	250		Note 14
CH-105	200	250		Note 14
CH-107	200	250		Note 14
CH-129	150	250		Note 14
CH-223	200	250		Note 14
CH-239	200	250		Note 14
CH-240	200	250		Note 14

CLASS 2
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
CH-112	200	250	FM-31A	
CH-118	200	250		
CH-120	200	250		
CH-121	200	250		
CH-136	200	250	FM-31C	
CH-137	200	250		
CH-138	200	250		
CH-139	200	250		
CH-140	200	250		
CH-141	200	250		
CH-142	200	250		
CH-143	200	250		
CH-144	200	250		
CH-151	200	250		
CH-190	200	250	FM-31C	
CH-191	200	250		
CH-193	200	250		
CH-194	200	250		
CH-195	200	250		
CH-196	200	250		
CH-197	200	250		
CH-198	200	250		
CH-200	200	250		
CH-201	200	250		
CH-202	200	250		
CH-203	200	250		
CH-204	200	250		
CH-205	200	250		
CH-206	200	[illegible]		
CH-216	200	[illegible]	FM-31A	
CH-223	200	250		
CH-229	200	250		
CH-233	200	250		
CH-235	200	250		
CH-236	200	250		
CH-261	200	250	FM-31C	
CH-292	200	250		
CH-115	300	375	FM-31A	
CH-116	300	375		
CH-130	300	375		
CH-217	300	375		
CH-227	300	375		
CH-228	300	375		
CH-231	300	375		
CH-232	300	375		
CH-237	300	375		
CH-53	500	625	FM-31A	
CH-113	500	625		
CH-114	500	625		

CLASS 2
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
CH-221	500	625		
CH-226	500	625		
CH-51	2485	3106	FM-31A	
CH-52	2485	3106		
CH-222	2485	3106		
CH-62	2500	3125	FM-31A	
CH-63	2500	3125		
CH-64	2500	3125		
CH-65	2500	3125		
CH-67	2500	3125		
CH-72	2500	3125		
CH-73	2500	3125		
CH-74	2500	3125		
CH-75	2500	3125		
CH-76	2500	3125		
CH-132	2500	3125		
CH-133	2500	3125		
CH-307		3125		Note 10
CH-308		3125		Note 10
CH-28	2750	3438	FM-31B	
CH-29	2750	3438		
CH-30	2750	3438		
CH-33	2750	3438		
CH-34	2750	3438		
CH-35	2750	3438		
CH-36	2750	3438		
CH-46	2485	3438	FM-31A	Note 1
CH-47	2485	3438		Note 1
CH-48	2485	3438		Note 1
CH-56	2500	3438		Note 1
CH-57	2750	3438		
CH-58	2750	3438		
CH-59	2500	3438		Note 1
CH-60	2750	3438		
CH-61	2485	3438		Note 1
CH-241	2750	3438		
CH-242	2500	3438		Note 1
CH-244	2500	3438		Note 1
CH-246	2500	3438		Note 1
CH-270	2750	3438		
Containment Spray System				
CS-1	235	294	FM-32A	
CS-2	235	294		
CS-3	235	294		
CS-4	235	294		

CLASS 2
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
Containment Spray System Cont'd.				
CS-6	235	294		
CS-8	235	294		
CS-9	235	294		
CS-10	235	294		
CS-11	50	63	FM-32A	
CS-12	50	63		
CS-13	70	88	FM-32A	
CS-14	70	88		
CS-15	70	88		
CS-16	70	88		
CS-17	70	88		
CS-18	70	88		
CS-19	70	88	FM-32A	
CS-20	70	88		
CS-40	70	88		
CS-21	215	269		Note 6
CS-22	215	269		Note 6
CS-23	215	269		Note 6
CS-24	215	269		Note 3
CS-25	215	269		Note 3
CS-26	215	269		Note 3
CS-27	215	269		
CS-28	215	269		
CS-31	215	269		
CS-32	215	269		
CS-33	215	269		
CS-34	215	269		
CS-35	215	269		
CS-36	215	269		
CS-37	215	269		
CS-38	215	269		
CS-39	215	269		
CS-29	70	88		
CS-44	70	88		
CS-45	70	88		
CS-46	70	88		
CS-47	70	88		
CS-48	70	88		
CS-30	250	313		
CS-43	250	313		

CLASS 2
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
Residual Heat Removal				
RH-1	400	500	FM-32A	
RH-2	400	500		
RH-3	400	500		
RH-4	400	500		
RH-34	400	500		
RH-35	400	500		
RH-36	400	500		
RH-37	400	500		
RH-7	600	500		Note 3
RH-8	600	500		Note 3
RH-9	600	500		Note 3
RH-10	600	500		Note 3
RH-11	600	500		Note 3
RH-12	600	500		Note 3
RH-11	600	750	FM-32A	
RH-12	600	750		
RH-13	600	750		
RH-14	600	750		
RH-15	600	750		
RH-16	600	750		
RH-17	600	750		
RH-18	600	750		
RH-19	600	750		
RH-20	600	750		
RH-24	600	750		
RH-25	600	750		
RH-26	600	750		
RH-27	600	750		
RH-28	600	750		
RH-29	600	750		
RH-30	600	750		
RH-31	600	750		
RH-32	600	750		
RH-33	600	750	FM-32A	
RH-39	600	750		
RH-40	600	750		
RH-41	600	750		
RH-42	600	750		
Decay Heat Release and Aux. Steam				
SDHV-1	985	1230	FM-9A	
SDHV-2	985	1230		
SDHV-3	985	1230		
SDHV-4	985	1230		
SA-42	985	1230		

CLASS 2
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
Secondary High Failure Drain				
SHPD-15	950	1230	FM-26A	
SHPD-17	950	1230		
SHPD-18	950	1230		
SHPD-19	950	1230		
SHPD-20	950	1230		
SHPD-21	950	1230		
SHPD-22	950	1230		
SHPD-23	950	1230		
SHPD-24	950	1230		
SHPD-25	950	1230		
SHPD-27	950	1230		
SHPD-28	950	1230		
Primary Sampling				
SL-7	2485	3106	FM-35A	
SL-8	2485	3106		
SL-9	2485	3106	FM-35A	
SL-14	2485	3106		
SL-15	2485	3106	FM-35A	
SL-33	2485	3106		
Main Steam				
SHP-1	950	1230	FM-9A	
SHP-2	950	1230		
SHP-3	950	1230		
SHP-4	950	1230		
SHP-5	950	1230		
SHP-6	950	1230		
SHP-30	950	1230		
SHP-31	950	1230		
SHP-32	950	1230		
On Pressure Safety Injection				
SIH-1	2750	3438	FM-31B	
SIH-2	2750	3438		
SIH-3	2750	3438		
SIH-4	2750	3438		
SIH-9	2750	3438		
SIH-10	2750	3438		
SIH-11	2750	3438		
SIH-12	2750	3438		
SIH-13	2750	3438		
SIH-14	2750	3438		
SIH-17	2750	3438		
SIH-18	2750	3438		
SIH-25	2750	3438		
SIH-26	2750	3438		

CLASS 2
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
SIH-29	2750	3438	FM-31B	
SIH-30	2750	3438		Note 8
SIH-31	2750	3438		Note 8
SIH-36	2750	3438		
SIH-37	2750	3438		
SIH-16	2485	3106	FM-31B	
SIH-19	2485	3106		
SIH-20	2485	3106		
SIH-22	2485	3106		
SIH-40	2485	3106		Note 8
SIH-41	2485	3106		Note 8
SIH-42	2485	3106		Note 8
SIH-51	2485	3106		
SIH-52	2485	3106		
Low Pressure Safety Injection				
SIL-10	250	313	FM-32A	
SIL-40	250	313		
SIL-41	250	313		
SIL-42	250	313		
SIL-43	250	313		
Auxiliary Feedwater				
WAPD-21	1250	1230	FM-12A	Relief 13
WAPD-23	1250	1230		Relief 13
WAPD-25	1250	1230		Relief 13
Main Feedwater				
WFPD-3				Relief 13
WFPD-4				Relief 13
WFPD-7				Relief 13
WFPD-8				Relief 13
WFPD-9				Relief 13
WFPD-10				Relief 13
WFPD-15				Relief 13
WFPD-16				Relief 13
WFPD-17				Relief 13

CLASS 2
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
Steam Generator Blowdown				
WGCB-1	950	1230	FM-26B	Note 13
WGCB-2	950	1230		Note 13
WGCB-4	950	1230		Note 13
WGCB-5	950	1230		Note 13
WGCB-6	950	1230		Note 13
WGCB-7	950	1230		Note 13
WGCB-8	950	1230		Note 13
WGCB-10	950	1230		Note 13
WGCB-11	950	1230		Note 13
WGCB-12	950	1230		Note 13
WGCB-13	950	1230		Note 13
WGCB-14	950	1230		Note 13
WGCB-16	950	1230		Note 13
WGCB-17	950	1230		Note 13
WGCB-18	950	1230		Note 13

3.0 SAFETY CLASS 3 SYSTEM

HYDROSTATIC PRESSURE TEST

In Accordance with ASME Code

Section XI IWD-5000

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
Service Water				
WS-1	55	60.5	FM-16A	
WS-2	55	60.5		
WS-3	55	60.5		
WS-4	55	60.5		
WS-5	55	60.5		
WS-6	55	60.5		
WS-7	55	60.5		
WS-8	55	60.5		
WS-9	55	60.5		
WS-10	55	60.5		
WS-11	55	60.5		
WS-12	55	60.5		
WS-13	55	60.5		
WS-14	55	60.5		
WS-15	55	60.5		
Removal From Vaccuum Priming				
ARWP-17	75	82.5	FM-18A	
ARWP-18	75	82.5		
ARWP-19	75	82.5		
ARWP-20	75	82.5		
Primary Component Coolant				
PCC-1	150	165	FM-34A	
PCC-2	150	165		
PCC-3	150	165		
PCC-4	150	165		
PCC-5	150	165		
PCC-6	150	165		
PCC-7	150	165		
PCC-8	150	165		
PCC-9	150	165		
PCC-12	150	165	FM-34A, B	
PCC-13	150	165	FM-34C	
PCC-15	150	165		
PCC-16	150	165		
PCC-17	150	165		
PCC-18	150	165		
PCC-19	150	165		
PCC-20	150	165		
PCC-21	150	165		
PCC-22	150	165		
PCC-23	150	165		
PCC-24	150	165		
PCC-25	150	165		

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
PCC-28	150	165	FM-34B	
PCC-29	150	165		
PCC-33	150	165	FM-34A	
PCC-35	150	165		
PCC-37	150	165		
PCC-38	150	165		
PCC-41	150	165		
PCC-45	150	165	FM-34B	
PCC-46	150	165		
PCC-47	150	165		
PCC-61	150	165	FM-34A, B	
PCC-62	150	165		
PCC-63	150	165		
PCC-71	150	165	FM-34B	
PCC-81	150	165		
PCC-146	150	165	FM-34B, C	
PCC-147	150	165		
PCC-148	150	165		
PCC-149	150	165		
PCC-150	150	165		
PCC-151	150	165		
PCC-152	150	165		
PCC-153	150	165		
PCC-154	150	165	FM-34B, C	
PCC-156	150	165	FM-34C	
PCC-157	150	165		
PCC-158	150	165		
PCC-159	150	165		
PCC-167	150	165		
PCC-168	150	165		
PCC-169	150	165		
PCC-170	150	165		
PCC-171	150	165		
PCC-186	150	165		
PCC-187	150	165		
PCC-188	150	165		
PCC-189	150	165		
PCC-190	150	165		
PCC-191	150	165		
PCC-192	150	165		
PCC-193	150	165		
PCC-194	150	165		
PCC-195	150	165		
PCC-196	150	165		
PCC-197	150	165		
PCC-198	150	165		
PCC-199	150	165		
PCC-200	150	165		
PCC-201	150	165		
PCC-202	150	165		
PCC-238	150	165		

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
PCC-240	150	165		
PCC-241	150	165		
PCC-242	150	165		
PCC-243	150	165		
PCC-244	150	165		
PCC-245	150	165		
PCC-246	150	165		
PCC-251	150	165		
PCC-252	150	165	FM-34C	
PCC-253	150	165		
PCC-254	150	165		
PCC-255	150	165		
PCC-256	150	165		
PCC-257	150	165		
PCC-258	150	165		
PCC-259	150	165		
PCC-260	150	165		
PCC-261	150	165		
PCC-262	150	165		
PCC-263	150	165		
PCC-264	150	165		
PCC-265	150	165		
PCC-266	150	165		
PCC-267	150	165		
PCC-268	150	165		
PCC-269	150	165		
PCC-270	150	165		
PCC-271	150	165		
PCC-272	150	165		
PCC-273	150	165		
PCC-274	150	165		
PCC-275	150	165		
PCC-276	150	165		
PCC-277	150	165		
PCC-278	150	165		
PCC-279	150	165		
PCC-280	150	165		
PCC-281	150	165		
PCC-282	150	165		
PCC-283	150	165		
PCC-284	150	165		
PCC-285	150	165		
PCC-286	150	165		
PCC-287	150	165		
PCC-288	150	165		
PCC-289	150	165		
PCC-290	150	165	FM-34C	
PCC-308	150	165	FM-34A	
PCC-311	150	165		
PCC-313	150	165		
PCC-314	150	165		

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
PCC-315	150	165		
PCC-316	150	165		
PCC-327	150	165		
PCC-328	150	165		
PCC-333	150	165	FM-34B	
PCC-336	150	165		
PCC-339	150	165		
PCC-340	150	165		
PCC-341	150	165		
PCC-345	150	165	FM-34A	
PCC-352	150	165		
PCC-353	150	165	FM-34A, B	
PCC-354	150	165		
PCC-355	150	165		
PCC-374	150	165	FM-34A	
PCC-378	150	165	FM-34A, B	
PCC-379	150	165		
PCC-380	150	165		
PCC-381	150	165		
PCC-387	150	165	FM-34C	
PCC-485	150	165	FM-34B	
PCC-511	150	165	FM-34A	
Auxiliary Steam				
SA-41	985	1084	FM-11A	
SA-42	985	1084		
SA-44	630	693		
...iary ...ater				
WAPD-14	1430	1573	FM-12A	
WAPD-15	1430	1573		
WAPD-17	1430	1573		
WAPD-18	1430	1573		
WAPD-19	1430	1573		
WAPD-20	1430	1573		
WAPD-22	1430	1573	FM-12A	
WAPD-24	1430	1573		
WAPD-27	1430	1573		
WAPD-29		1573		
WAPD-30		1573		
WAPD-31		1573		
WAPD-28	30	33	FM-12A	
WCPR-5	30	33		
WCPR-6	30	33		
WCPR-8	30	33		
WCPR-12	30	33		
WCPR-13	30	33		
WCPR-14	30	33		
WCPR-15	30	33		

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
WT-1	30	33	FM-12A	
Secondary Component Coolant				
SCC-1	150	165	FM-17A	
SCC-2	150	165		
SCC-3	150	165		
SCC-4	150	165		
SCC-5	150	165		
SCC-6	150	165		
SCC-7	150	165		
SCC-8	150	165		
SCC-11	150	165		
SCC-13	150	165		
SCC-14	150	165		
SCC-16	150	165		
SCC-17	150	165		
SCC-18	150	165		
SCC-19	150	165		
SCC-20	150	165		
SCC-21	150	165		
SCC-22	150	165		
SCC-106	150	165	FM-17B	
SCC-109	150	165		
SCC-110	150	165		
SCC-111	150	165		
SCC-116	150	165	FM-17A	
SCC-117	150	165	FM-17A	
SCC-119	150	165		
SCC-120	150	165		
SCC-121	150	165		
SCC-122	150	165		
SCC-123	150	165		
SCC-135	150	165		
SCC-136	150	165		
SCC-137	150	165		
SCC-138	150	165		
SCC-139	150	165		
SCC-140	150	165	FM-17B	
SCC-141	150	165		
SCC-142	150	165		
SCC-143	150	165		
SCC-144	150	165	FM-17A	
SCC-145	150	165	FM-17A	
SCC-146	150	165		
SCC-147	150	165		
SCC-148	150	165		
SCC-149	150	165		
SCC-150	150	165	FM-17A	
SCC-151	150	165	FM-17A	
SCC-152	150	165		

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
SCC-153	150	165		
SCC-154	150	165		
SCC-155	150	165		
SCC-156	150	165		
SCC-157	150	165		
SCC-158	150	165		
SCC-159	150	165		
SCC-160	150	165		
SCC-161	150	165		
SCC-162	150	165		
SCC-163	150	165		
SCC-164	150	165		
SCC-165	150	165		
SCC-166	150	165		
SCC-167	150	165		
SCC-168	150	165		
SCC-169	150	165		
SCC-170	150	165		
SCC-171	150	165		
SCC-172	150	165	FM-17A	
SCC-173	150	165		
SCC-174	150	165		
SCC-177	150	165		
SCC-178	150	165		
SCC-179	150	165		
SCC-180	150	165		
SCC-181	150	165		
SCC-182	150	165		
SCC-183	150	165		
SCC-184	150	165		
SCC-185	150	165		
SCC-186	150	165		
SCC-187	150	165		
SCC-188	150	165		
SCC-189	150	165		
SCC-190	150	165		
SCC-191	150	165		
SCC-192	150	165		
SCC-193	150	165		
SCC-194	150	165		
SCC-195	150	165		
SCC-196	150	165		
SCC-197	150	165		
SCC-198	150	165		
SCC-199	150	165		
SCC-200	150	165		
SCC-201	150	165		
SCC-204	150	165		
SCC-205	150	165		
SCC-208	150	165	FM-17B	

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
Chemical and Volume Control				
CH-11	150	188	FM-31C	
CH-17	150	188		
CH-92	150	188		
CH-94	150	188		
CH-129	150	188		
CH-159	150	188		
CH-160	150	188		
CH-161	150	188		
CH-162	150	188		
CH-165	150	188		
CH-166	150	188	FM-31C	
CH-167	150	188		
CH-172	150	188		
CH-173	150	188		
CH-175	150	188		
CH-176	150	188		
CH-177	150	188		
CH-178	150	188		
CH-179	150	188		
CH-180	150	188		
CH-181	150	188		
CH-182	150	188		
CH-183	150	188		
CH-184	150	188		
CH-185	150	188		
CH-186	150	188		
CH-187	150	188		
CH-188	150	188		
CH-264	150	188		
CH-265	150	188		
CH-269	150	188		
CH-271	150	188		
CH-276	150	188		
CH-278	150	188		
CH-279	150	188		
CH-280	150	188		
CH-281	150	188		
CH-282	150	188		
CH-283	150	188		
CH-284	150	188		
CH-285	150	188		
CH-286	150	188		
CH-290	150	188		
CH-300	150	188		
PW-17	150	188		

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
CH-86	225	281	FM-31A	
CH-256	225	281		
CH-257	225	281		
CH-258	225	281		
CH-259	225	281		
CH-245	2500	3125	FM-31A	
CH-218	500	625	FM-31A	
CH-23	2750	3438	FM-31B	
CH-31	2750	3438		
CH-32	2750	3438		
Primary Vent and Drain Piping				
DRL-6	150	188	FM-31C	
DRL-7	150	188		
DRL-9	150	188		
DRL-11	150	188	FM-33A	
DRL-15	150	188		
DRL-17	150	188		
DRL-18	150	188		
DRL-20	150	188		
DRL-27	150	188		
DRL-28	150	188		
DRL-30	150	188		
DRL-31	150	188		
DRL-32	150	188		
DRL-33	150	188		
DRL-34	150	188		
DRL-35	150	188		
DRL-38	150	188		
DRL-48	150	188		
DRL-103	150	188		
DRL-104	150	188		
DRL-106	150	188		
DRL-107	150	188		
DRL-108	150	188		
DRL-115	150	188		
DRL-124	150	188	FM-33A	
DRL-132	150	188		
DRL-135	150	188		
DRL-151	150	188		
DRL-152	150	188		
DRL-153	150	188		

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
VRL-4	150	188	FM-33A	
VRL-5	150	188		
VRL-6	150	188		
VRL-7	150	188		
VRL-12	150	188		
VRL-38	150	188		
DRL-123	250	313	FM-33A	
DRL-117	500	625	FM-33A	
DRL-12	2500	3125	FM-33A	
DRL-13	2500	3125		
DRL-114	2500	3125		
DRL-10	2750	3438	FM-33A	
DRL-14	2750	3438		
DRL-25	2750	3438		
DRL-26	2750	3438		
DRL-118	3550	4438	FM-33A	
DRL-119	3550	4438		
Primary Sampling				
SL-24	75	83	FM-35A	
SL-25	75	83		
SL-26	75	83		
SL-27	75	83		
SL-29	75	83		
SL-34	75	83	FM-35A	
SL-35	75	83		
SL-36	75	83		
SL-38	75	83		
SL-41	75	83		
SL-44	75	83		
SL-65	75	83		
SL-66	75	83		
SL-22	300	375	FM-35A	
SL-23	300	375		
SL-39	300	375		
SL-10	2485	3106	FM-35A	
SL-11	2485	3106		
SL-12	2485	3106		
SL-13	2485	3106		
SL-20	2485	3106		
SL-28	2485	3106		
SL-37	2485	3106		

CLASS 3
HYDROSTATIC PRESSURE TEST SUMMARY

SYSTEM/LINE	DESIGN PRESS. (PSIG)	TEST PRESS. (PSIG)	FLOW DIAGRAM	REMARKS
SL-40	2485	3106		
SL-67	2485	3106		
SL-68	2485	3106		
SL-69	2485	3106		
Fuel Pool Cooling				
FP-1	150	165	FM-36A	
FP-2	150	165		
FP-3	150	165		
FP-4	150	165		
FP-5	150	165		
FP-6	150	165		
FP-7	150	165		
FP-8	150	165		
FP-9	150	165		
FP-10	150	165		
FP-21	150	165		
FP-36	150	165		

Notes for Hydrostatic Test

Summary Table

1. This line is unisolable from a line with a higher design pressure. The hydrostatic test pressure was chosen based on the higher design pressure. This position is justified by the "Design Notes" in the "Maine Yankee Specification for Piping," MYS-442 which states, "When two lines of different primary pressure ratings are connected, the higher pressure ratings shall prevail up to and including the first shutoff valve in the line of lower rating."

2. This line CH-1 (CH-2) has a design pressure of 50 psi and is unisolable from line CH-9 (CH-12) which has a design pressure of 235 psig. The downstream lines, CH-3 and CH-6 (CH-5 and CH-6) both have design pressures of 150 psig and are seperated from it by a check valve. A review of construction records show that they were all tested to a pressure consistant with a design pressure of 150 psig. Therefore, during ISI these lines will be tested to 188 psig. (1.25 X 150 psig).

3. This line is unisolable from the suction side piping of a centrifugal pump which has a lower design pressure. The test boundary will be extended from the suction side piping to the first shutoff valve on the discharge side of the pump.

4. This line is a high pressure safety injection pump recirculation line. It has a nominal operating pressure of 50 psig, but a design pressure of 2750 psig. Since there are not test connections available in this line, it will be added to the suction piping test boundary and tested to 188 psig.

5. This line has no design pressure given in the line designation table. Since it is unisolable from other lines with known design pressure, it will be hydrostatically tested to the same pressure as those lines. (See note 1 for design justification that it will not be over pressurized.)

6. Portions of these lines, although beyond the first isolation on the pump discharge, are being tested to the test pressure corresponding to the pump suction. This is because there are no available test connections on those lines which will permit isolation of the pump suction during a hydrostatic test.

7. In order to test the class 2 portions of lines CH-58 and CH-60 between valves CH-72, CH-85 and CH-F-70, it is necessary to subject the class 1 portions of CH-126 upstream of RC-M-35, CH-127 upstream of RC-M-25, CH-128 upstream of RC-M-35 and CH-242 upstream of CH-73 to a test pressure of 1.25 X P_D instead of 1.1 X P_D as required by Section XI. This is considered acceptable since all these lines are of the same pipe class and were tested to 1.5 X P_D during construction.

8. This test includes lines of similar design pressure, but different safety classes. Section XI requires class 1 lines to be tested at 1.1 X nominal operating pressure at 100% reactor power whereas class 2 lines are to be tested at 1.25 X design pressure. Since all the lines included in this test are the same design pressure and pipe class, all the lines will be tested to the higher class 2 pressure.

9. This line is part of a closed pressure level indicating loop attached to the Volume Control Tank. For the purpose of ISI, it is considered to be an extension of the tank and will be tested, along with the tanks, at a pressure equal to the nominal hydrostatic pressure developed with the tank filled to its design capacity. See ASME SECTION XI, subparagraph IWC-5000(c).

10. No design pressure is listed in the plant Line Designation List for this line. The line, however, is unisolable from a line with a design pressure of 2500 psig and, therefore, the line will be tested to 3215 psig along with the connected lines.

11. No design pressure is listed in the plant Line Designation List for this line. The line, however, is unisolable from a line with a design pressure of 150 psig and, therefore, will be tested to 188 psig along with the connected lines.

12. This line has a design pressure of 700 psig, but it is not isolated from the steam generator feedwater lines and steam generator during normal operation. It will, therefore, be tested to the same pressure as the steam generator and main feedwater lines. It has the same pipe class as the attached main feedwater line.

13. This line is the same pipe class as similar lines listed in the piping specification as having a design pressure of 985 psig. These lines will be tested along with those lines have the 985 psig design pressure for convenience. Since the lines are of the same pipe class as the 985 psig lines, they are designed to withstand the higher pressure.

14. This line is considered part of a tank and will be tested, along with the tank, at a pressure equal to the nominal hydrostatic pressure developed with the tank filled to its design capacity.