ENCLOSURE 1

Inservice Inspector Program
for Sequoyah Nuclear Plant, Unit 1

Revisions 2 through 5 to SI-114.1

REVISION HISTORY

REVISION 2
Pages 50-65D, 88A, 88B, 89-91, 191A1-191U1

REVISION 3
Pages 61-64, 65A
Affected pages 65B-65D of 65

REVISION 4
Pages: Punchlist, Table of Contents, 46-65, 65A-65D, 88, 91, 107, 116, 177, 178, 190, 191V1, 191W1, 191X1

REVISION 2

by Section XI of the ASME Code. This augmented examination does not require a special report. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.3 Reactor Coolant Pump Flywheel

The augmented examination requirements of the reactor coolant pump flywheel are included in Regulatory Position C.4.b of Regulatory Guide 1.14; (1) an inplace ultrasonic examination of the areas of higher stress concentration at the bore and keyway at approximately three-year intervals during the refueling or maintenance shutdown coinciding with the inservice inspection schedule as required by Section XI of the ASME Code, and (2) a surface examination of all exposed surfaces and complete ultrasonic examination at approximately 10-year intervals during the plant shutdown coinciding with the inservice inspection schedule as required by Section XI of the ASME Code.

This augmented examination does not require a special report unless the examination reveals a flaw. If the examination and evaluation indicate an increase in flaw size or growth rate greater than predicted for the service life of the flywheel, the results of the examination and evaluation should be submitted to the NRC for evaluation. Refer to Regulatory Guide 1.14 for information to be included. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.4 Pressurizer Relief Line

The augmented examination requirements of the pressurizer relief line are included in the Technical Specifications 4.0.5 and 4.4.3.2.4. The pressurizer relief line and repair welds shall be examined using improved ultrasonic detection and evaluation procedures prior to entering Mode 4 whenever the plant has been in cold shutdown for 72 hours or more if the examination has not been performed in the previous six months.

In the event these six-month period examinations find the piping free of unacceptable indications for three successive inspections, the inspection interval shall be extended to 36 month intervals (±12 months to coincide with a scheduled refueling outage). The report shall be submitted with the Final Inservice Inspection Report.

20.5 Steam Generator Tubing

The augmented examination requirements of the steam generator tubing are included in Technical Specifications 4.0.5, 4.4.5.0 and section 7.3.8 of this program. Following each inservice inspection of steam generator tubes, the number of tubes plugged in each steam generator shall be reported to the NRC within 15 days.

Plant management shall report this information to the Nuclear Regulatory Commission Region II Office within the time period specified. See Plant Instruction AI-18 for reporting instructions.

The complete results of the steam generator tube inservice inspection shall be submitted to the Nuclear Regulatory Commission in a special report pursuant to Technical Specification 6.9.2 within 12 months following completion of the inspection. The Chemical, Metallurgy, and Standards Group Staff Specialist shall prepare this special report and submit the report of the Nuclear Regulatory Commission Region II Office within the stated time period. This special report shall include:

1. Number and extent of tubes inspected.

2. Location and percent of wall-thickness penetration for each indication of an imperfection.

3. Identification of tubes plugged.

Results of steam generator tube inspections which fall into Technical Specification Category C-3 require prompt notification of the Nuclear Regulatory Commission pursuant to Technical Specification 6.9.1 prior to resumption of plant operation.

The written followup of this report shall provide a description of investigations conducted to determine cause of the tube degradation and corrective measures to prevent recurrence.

Refer to Technical Specifications 4.0.5 and 4.4.5.0 and section 7.3.8 of this program for information to be included.

20.6 RPV Nozzle Cladding

All vessel nozzles cladding shall be ultrasonically examined at the end of each 10-year inspection interval, using techniques at least as sensitive as those used to conduct the supplemental examinations performed prior to fuel loading. The results of this examination shall be reported to NRC. This examination is done in accordance with Sequoyah technical specifications and satisfies Surveillance Requirement 4.4.10. This augmented examination does not require a special report. This examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

Nozzle forging material and cladding is identified in section 7.1.2 of this program.

20.7 RPV Closure Head Circumferential Weld (W09-10)

See subsection 7.1.1.3 of this program for augmented examination requirements. This augmented examination does not require a special report. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

21.0 REFERENCES

21.1 ASME Boiler and Pressure Vessel Code - Section XI 1974 Edition Summer 1975 addenda, Summer 1976 addenda; 1977 Edition, Summer 1978 addenda.

21.2 ASME Boiler and Pressure Vessel Code - Section V.

21.3 Instruction Manual - 173-inch I.D. Reactor Pressure Vessel - Rotterdam Dockyard Company, Contract No. 68C60-91934, N2M-2-3.

21.4 Sequoyah Nuclear Plant Standard Practice SQA41.

21.5 Sequoyah Nuclear Plant Final Safety Analysis Report.

21.6 Westinghouse Technical Manual - Pressurizer, TM 1440-C225, Contract No. 68C60-91934, N2M-2-6.

21.7 Westinghouse Technical Manual - Vertical Steam Generators, TM 1440-C224, Contract No. 68C31-91934, N2M-2-4.

21.8 Westinghouse Instruction Manual - Auxiliary Heat Exchangers, Contract No. 68C60-91934, N2M-2-25.

21.9 Westinghouse Instruction Book - Reactor Coolant Pump, Contract No. 68C60-91934, N2M-2-5.

21.10 Ingersoll-Rand Instruction Manual - Residual Heat Removal Pumps, Contract No. 68C60-91934, N2M-2-30.

21.11 Sequoyah Nuclear Plant Operational Quality Assurance Manual, Part II, Sections 2.3, 3.0, 5.1, and 6.3.

21.12 Sequoyah Nuclear Plant Technical Instruction TI-51.

21.13 Sequoyah Nuclear Plant Technical Specifications Unit 1.

21.14 Division Procedure Manual: N75C01, N76A10, N80E3, N83A3, SEQ80M7, SEQ82E1, and SQ82M1.

APPENDIX A
TABLE C
SEQUOYAH IN-SERVICE INSPECTION PROGRAM
CLASS C COMPONENTS

Component	Program Reference Section	Method of Insp.	Section XI Exam Category	40 Yr. Sample No. Welds	40 Yr. Sample Length of Weld	1st Insp. Interval No. Welds	1st Insp. Interval Length of Weld	Inspection Periods 3 Yrs.	7 Yrs.	10 Yrs.	Reference Dwg. No.
A. Piping											
1. All Classes C and D	9.0, 9.1	VT-2	D-A, D-B, D-C	N/A		N/A		100%	100%	100%	N/A
B. Component Supports											
1. Auxiliary Feedwater System	9.0.1.1	VT-3, VT-4	D-A	31		31		31	31	31	ISI-0113-C
2. Chemical and Volume Control System	9.0.1.2	VT-3, VT-4	D-A	7		7		7	7	7	ISI-0114-C
3. Component Cooling System	9.0.1.3	VT-3, VT-4	D-A, D-B	268		268		268	268	268	ISI-0126-C
4. Containment Spray System	9.0.1.4	VT-3, VT-4	D-B	25		25		25	25	25	ISI-0125-C
5. Essential Raw Cooling Water System	9.0.1.5	VT-3, VT-4	D-A, D-B	342		342		342	342	342	ISI-0123-C
6. Fuel Pool Cooling System	9.0.1.6	VT-3, VT-4	D-C	47		47		47	47	47	ISI-0127-C

APPENDIX A
TABLE C (Continued)
SEQUOYAH IN-SERVICE INSPECTION PROGRAM
CLASS C COMPONENTS

Component	Program Reference Section	Method of Insp.	Section XI Exam Category	40 Yr. Sample No. Welds/of	Length Weld	1st Insp. Interval No. Welds/of	Length Weld	Inspection Periods 3 Yrs.	7 Yrs.	10 Yrs.	Reference Dwg. No.
B. Component Supports (Continued)											
7. Residual Heat Removal System	9.0.1.7	VT-3, VT-4	D-B	7		7		7	7	7	ISI-0115-C
8. Safety Injection System	9.0.1.8	VT-3, VT-4	D-B	24		24		24	24	24	ISI-0116-C

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APPENDIX A
TABLE D
LIST OF DRAWINGS - UNIT 1

Reactor Vessel

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CH-M-2337-C	Upper Head Injection System	141-143
CH-M-2341-B	Reactor Vessel Stud Locations and Details	92-93
CH-M-2343-B	Reactor Vessel Seam Welds	94
CH-M-2358-A	Reactor Vessel Closure Head	95
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CH-M-2651-C	CRD, UPI and Vent Pipe Penetrations	99-100
CH-M-2361-A	Reactor Vessel Outlet Nozzles	101
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ISI-0016-A	Reactor Vessel Clad Patches (PSI only)	103
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MSG-0004-C	Reactor Vessel Bottom Head Penetrations	105

Presurizer

Drawing No.	Title	Appendix A Page No.
CH-M-2362-A	Pressurizer Support Skirt Weld	106
CH-M-2663-A	Pressurizer Seam Welds	107
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MSG-0006-A	Pressurizer Heater Penetrations	109

Steam Generators

Drawing No.	Title	Appendix A Page No.
CH-M-2333-B	Reactor Coolant Piping	119-120
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MSG-0002-B	Pressurizer and Steam Generators Cladding Patches	
MSG-0005-A	Steam Generator/Feedwater Transition Spool Piece	112

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LIST OF DRAWINGS - UNIT 1

Heat Exchangers

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Piping and Valve Weld Maps

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CH-M-2333-B	Reactor Coolant Piping (Main Loops)	119-120
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CH-M-2335-C	Chemical and Volume Control System	135-136
CH-M-2336-C	Residual Heat Removal System	137-140
CH-M-2337-C	Upper Head Injection System	141-143
CH-M-2338-C	Seal Water Injection (Chemical and Volume Control System)	144-147
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Class A and B Piping and Valve Support Drawings

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CH-M-2432-C	Reactor Coolant System	153-159
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TABLE D (Continued)

LIST OF DRAWINGS - UNIT 1

Class C and D Piping and Valve Support Drawings

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ISI-0123-C	Essential Raw Cooling Water System	191G-191Z
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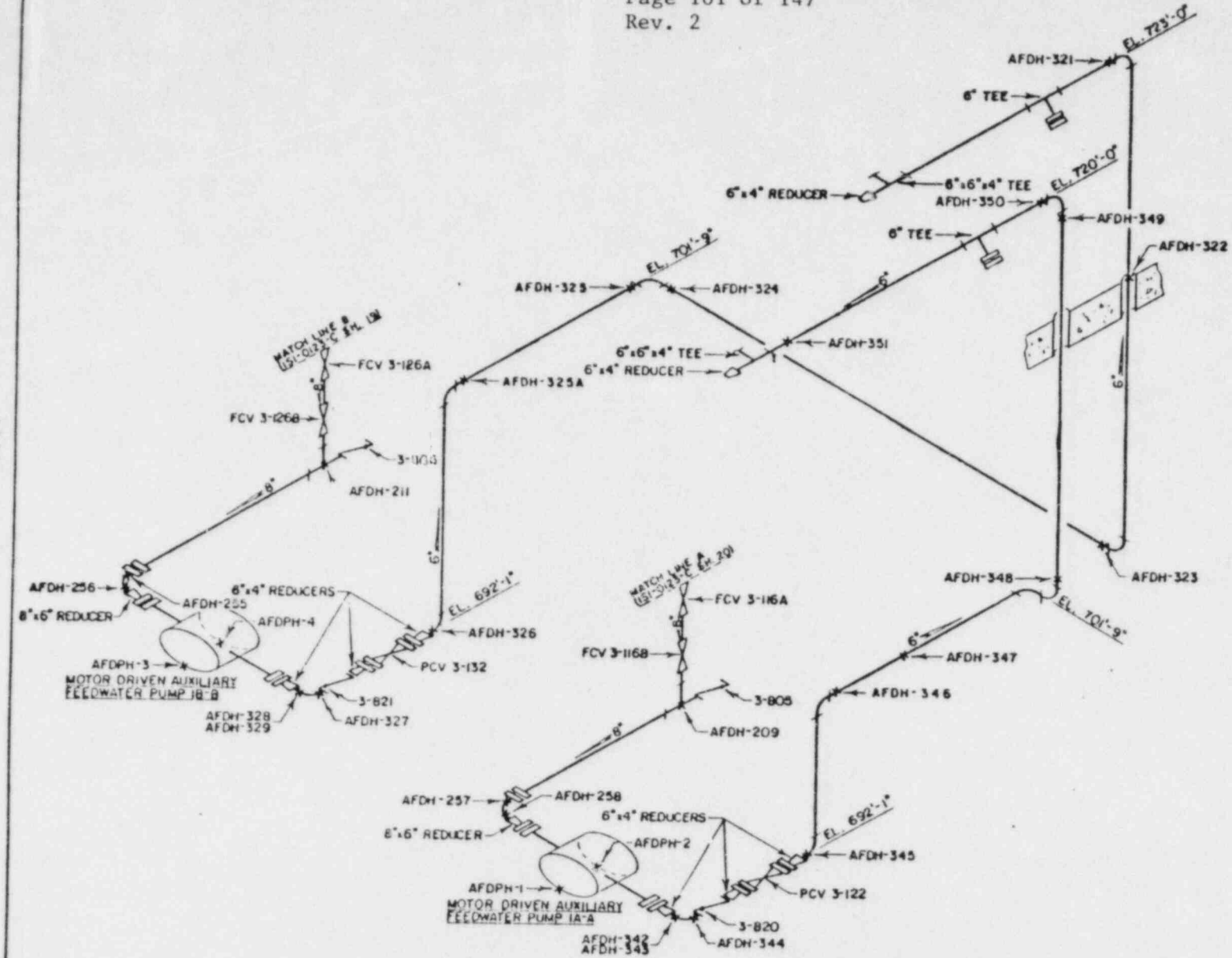
ISI-0071-A	Accumulator Surge Tank	191

REFERENCE DRAWINGS
47K427-53
47K427-54
47K427-64
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
AUXILIARY FEEDWATER SYSTEM
SUPPORT LOCATIONS

DRAWING 47W427-64 | SI-0113-C | R0

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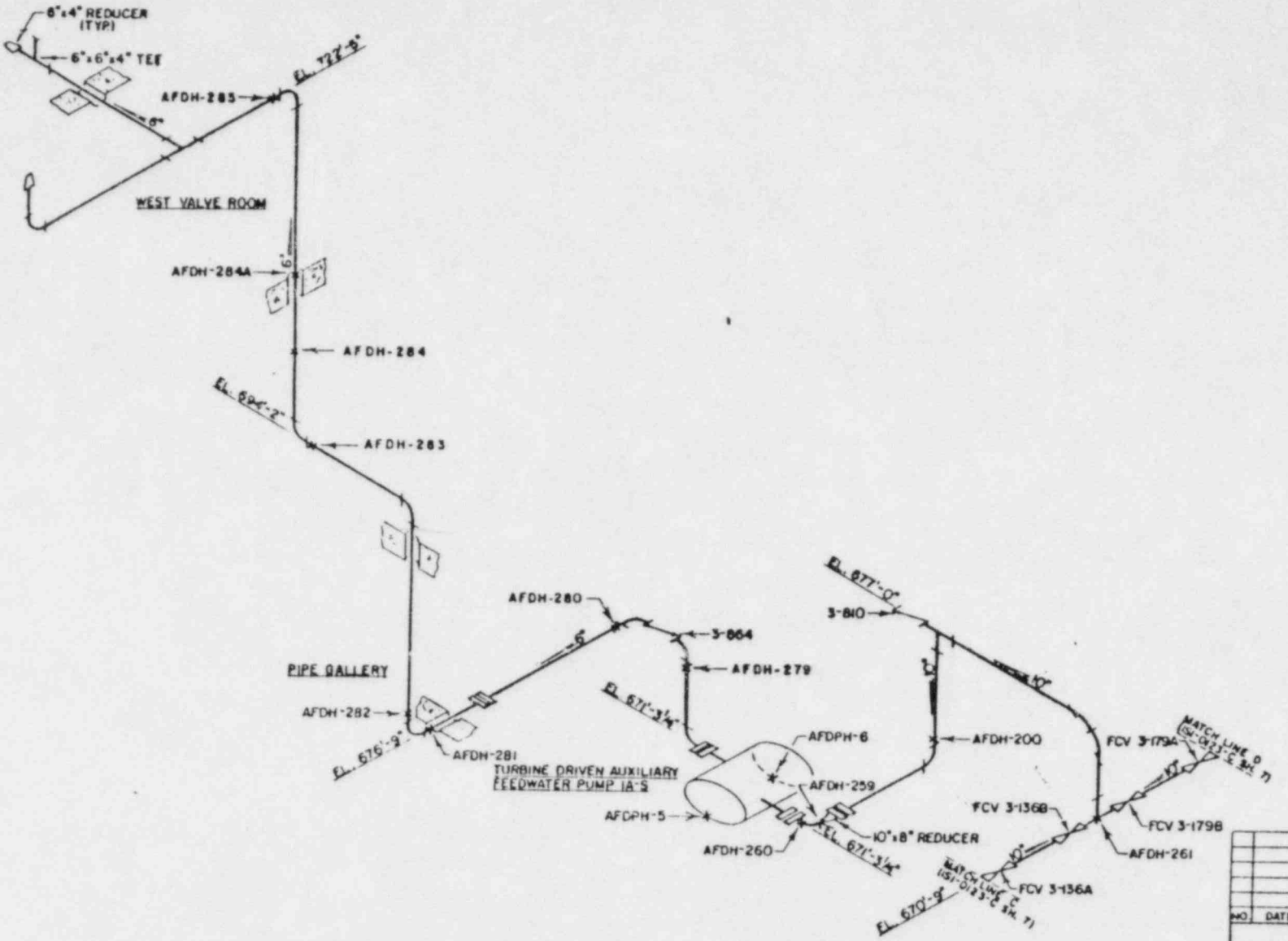
REFERENCE DRAWINGS
47K427-32
47K427-64
TVA SAFETY CLASS C



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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
AUXILIARY FEEDWATER SYSTEM
SUPPORT LOCATIONS

SI-0113-C

REFERENCE DRAWINGS
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47K406-37
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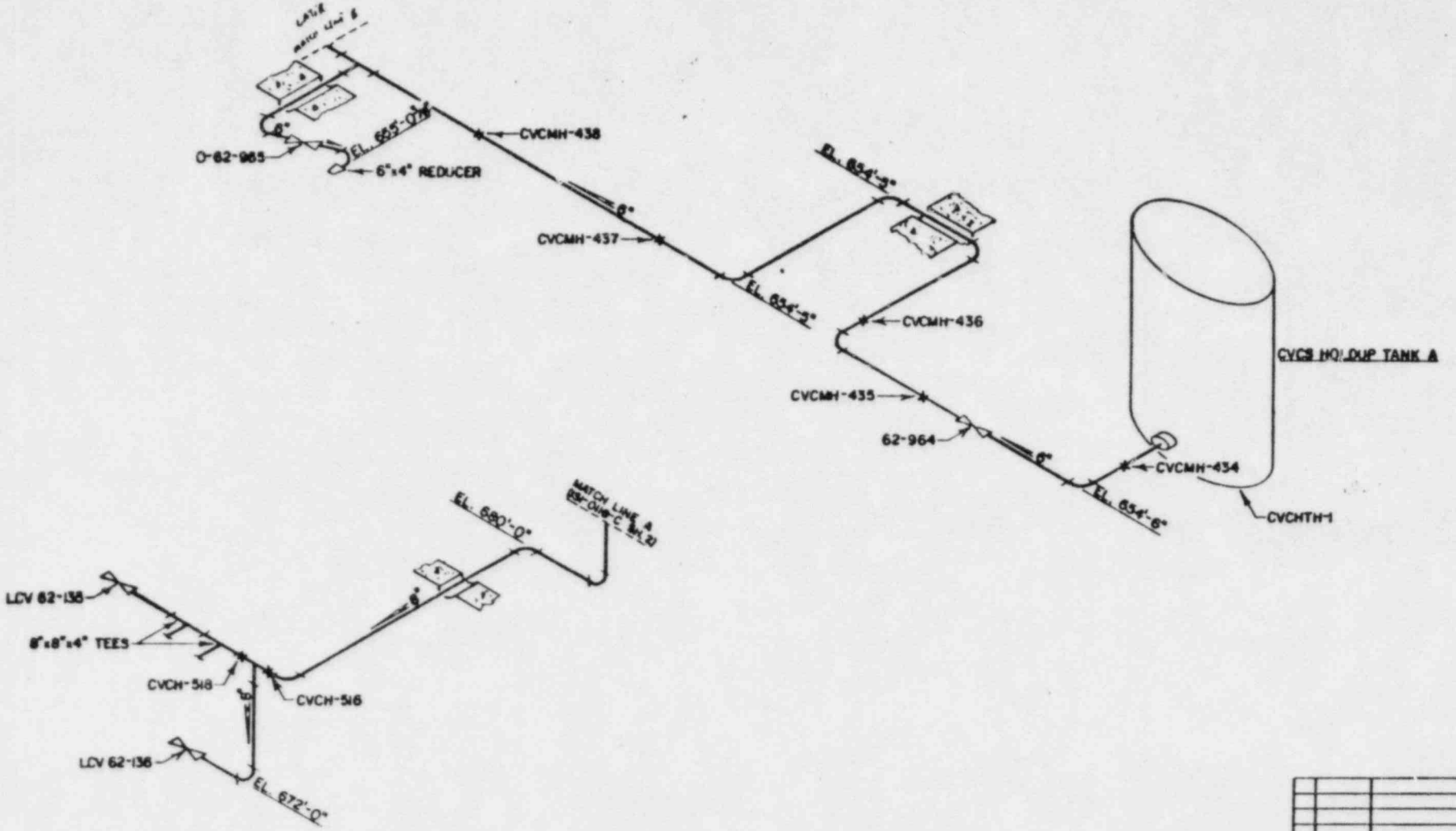

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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
CHEMICAL AND VOLUME CONTROL SYSTEM
SUPPORT LOCATIONS

SI-0114-C R0

REFERENCE DRAWINGS
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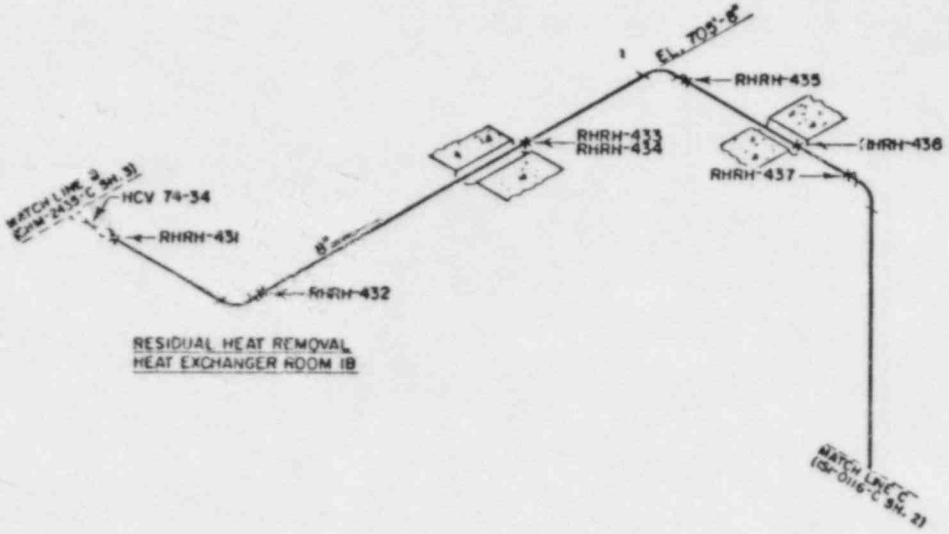

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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT # 1
RESIDUAL HEAT REMOVAL SYSTEM
HANGER LOCATIONS

NTS			8-11-83
AZe			1 of 1 SHEETS
SDC			ISI-0115-C R0

REFERENCE DRAWINGS
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0600102-09-02
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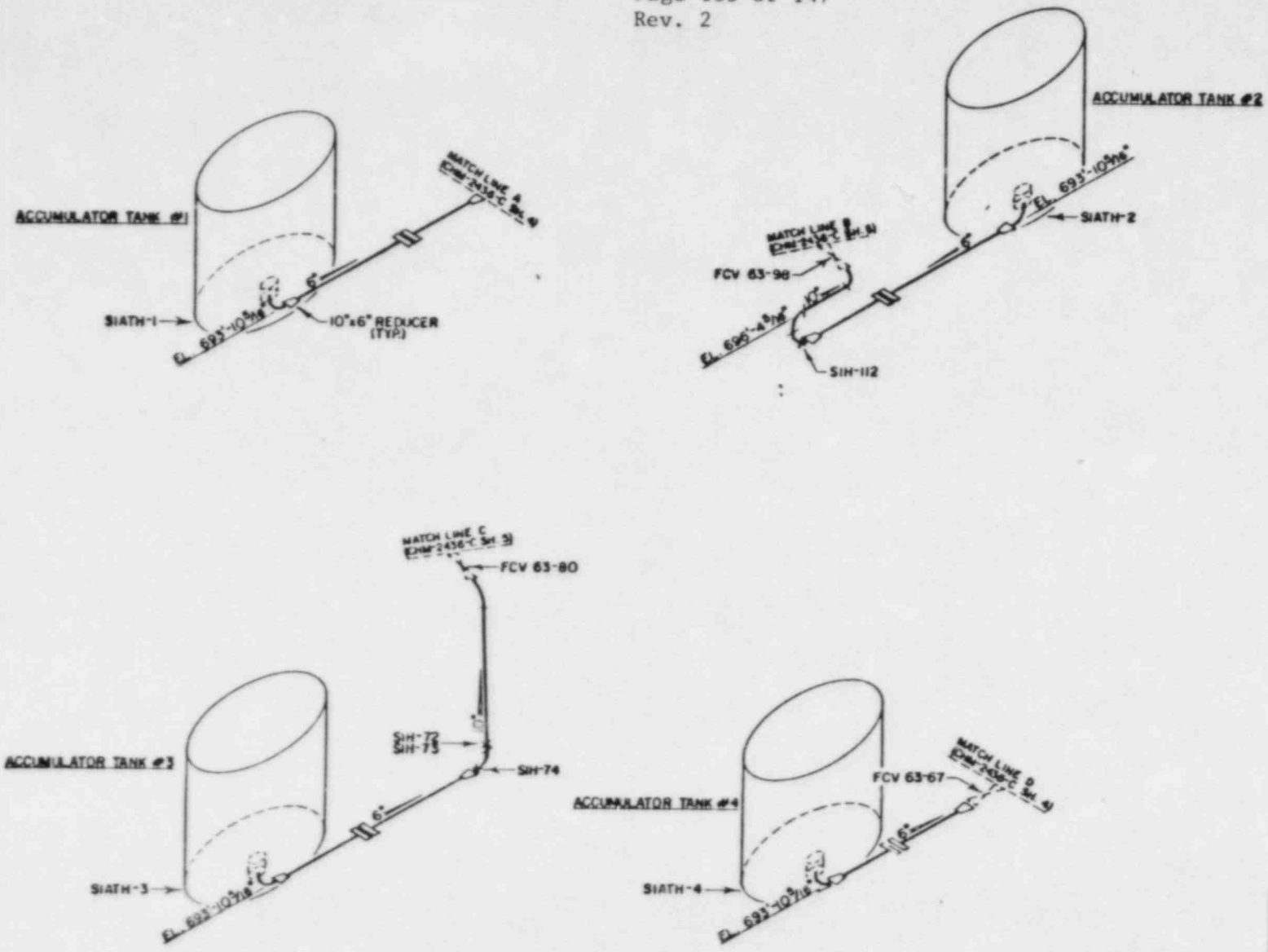

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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
SAFETY INJECTION SYSTEM
SUPPORT LOCATIONS

1-15-83
1-2 SHEETS
1SI-0116-C
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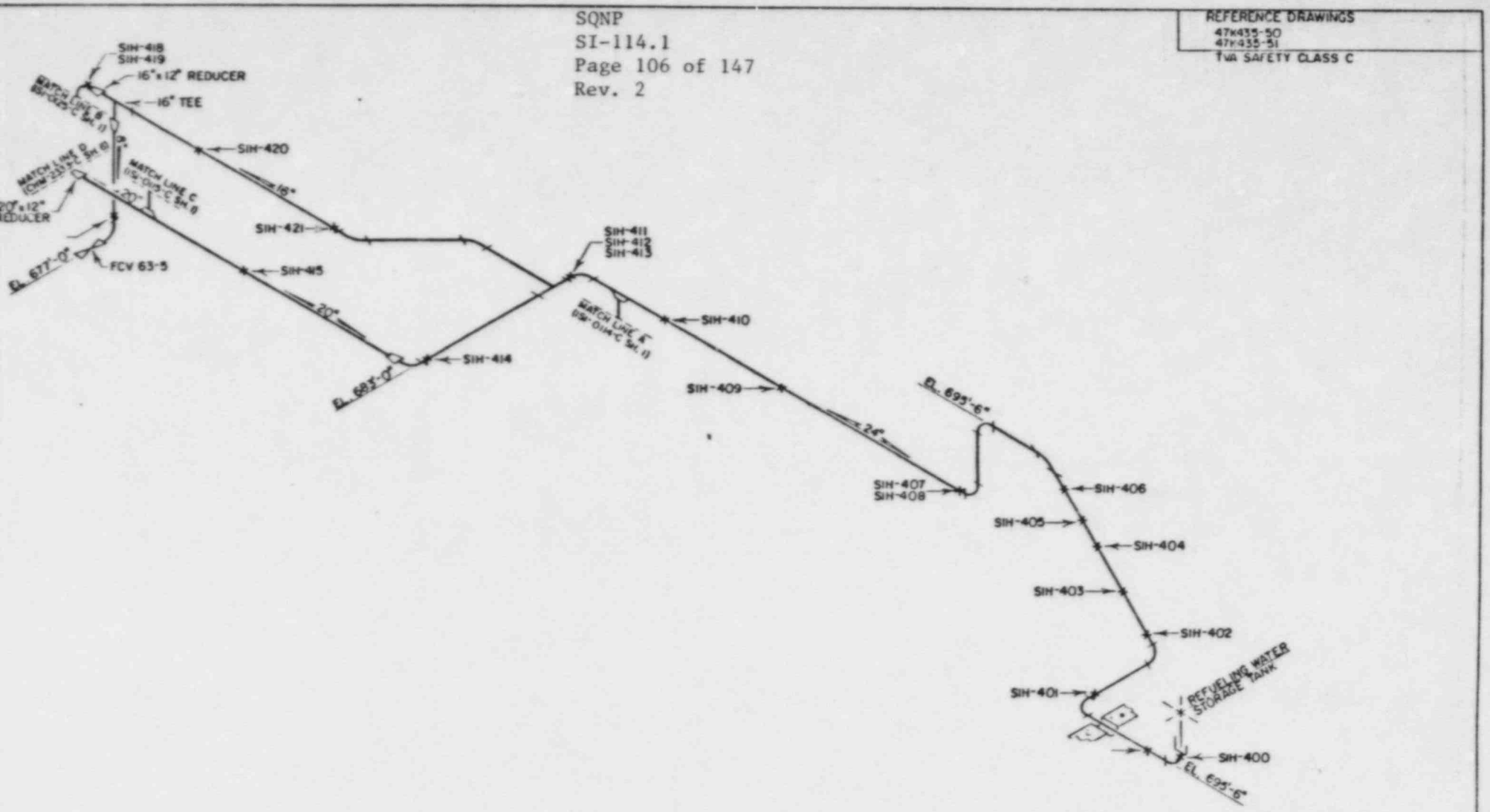
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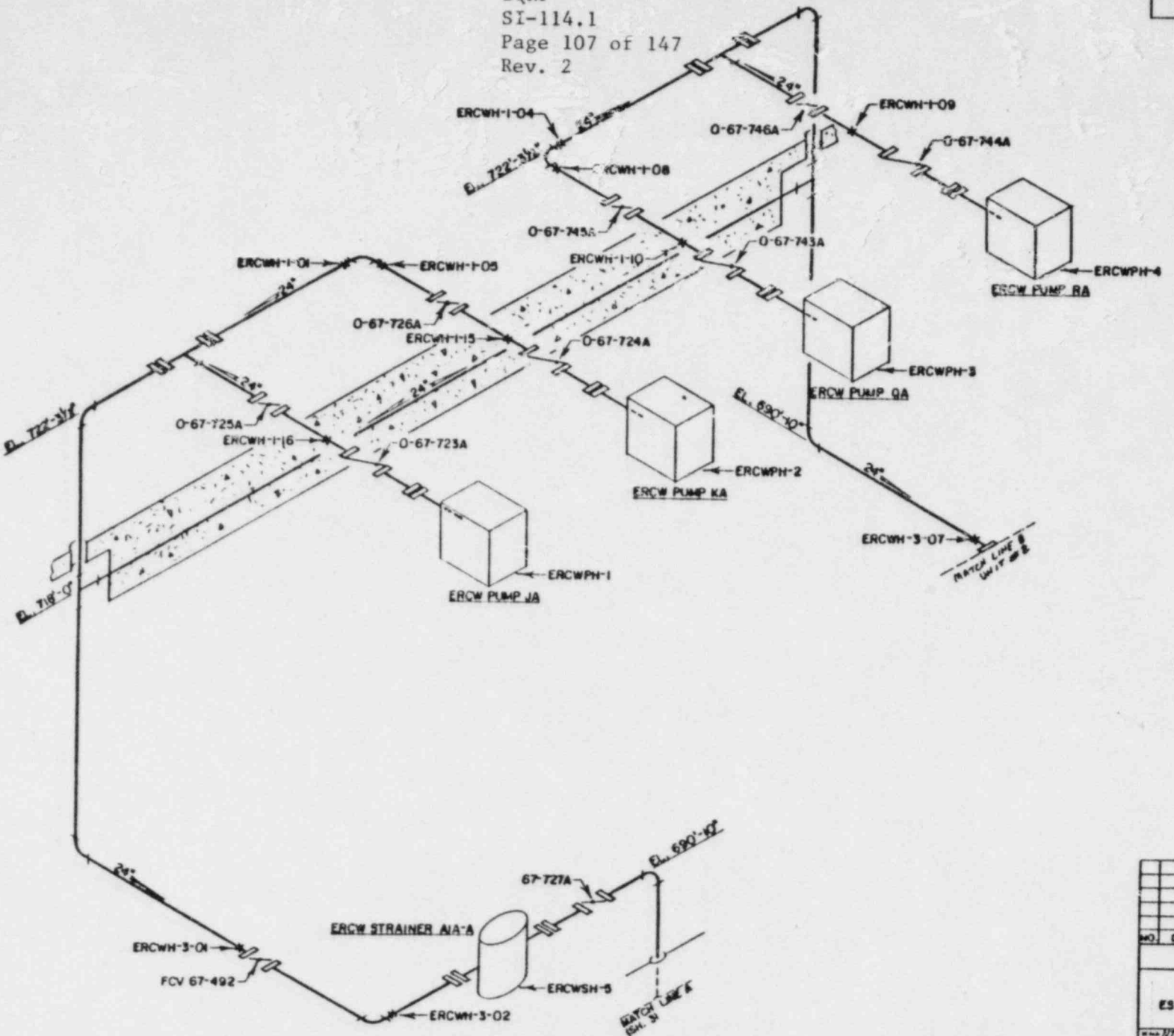
16"x12" REDUCER
16" TEE
SIH-420
16"
SIH-421
SIH-411
SIH-412
SIH-413
MATCH LINE A
MATCH LINE B
MATCH LINE C
MATCH LINE D
20"x12" REDUCER
FCV 63-5
El. 677'-0"
SIH-415
20"
SIH-414
El. 682'-0"
SIH-410
SIH-409
24"
El. 695'-6"
SIH-407
SIH-408
SIH-406
SIH-405
SIH-404
SIH-403
SIH-402
SIH-401
REFUELING WATER STORAGE TANK
SIH-400
El. 695'-6"
NO. DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #1
SAFETY INJECTION SYSTEM
HANGER LOCATIONS
1SI-0116-C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ERCWH-1-08
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ERCW PUMP RA
ERCWH-1-01
ERCWH-1-05
ERCWH-1-10
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ERCWPH-3
ERCW PUMP QA
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ERCWH-1-16
0-67-723A
ERCWPH-2
ERCW PUMP KA
ERCWH-3-07
ERCWPH-1
ERCW PUMP JA
67-727A
ERCW STRAINER A/A-A
ERCWH-3-01
FCV 67-492
ERCWSH-5
ERCWH-3-02
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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS
ISI-0123-C

REFERENCE DRAWINGS
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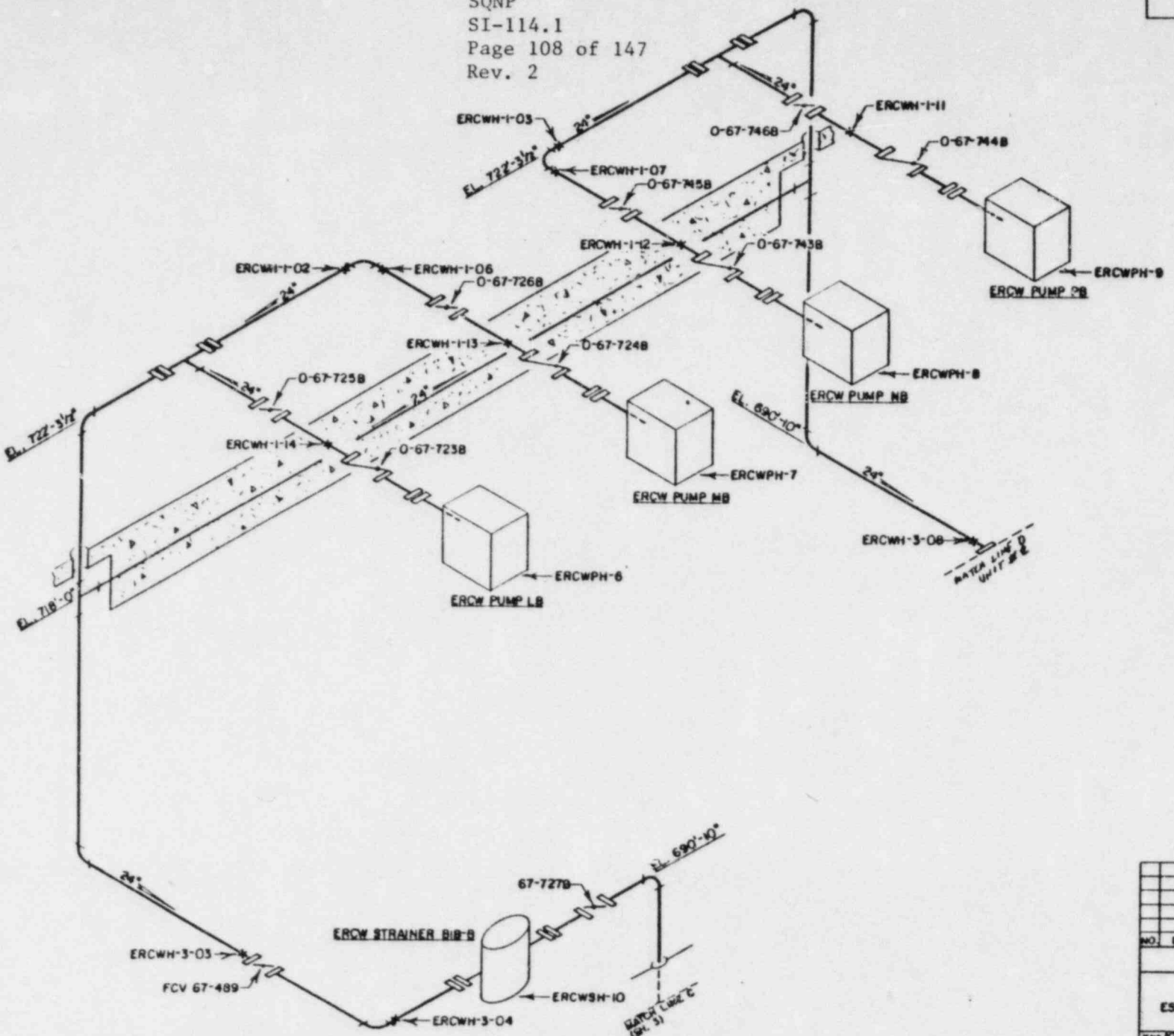

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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

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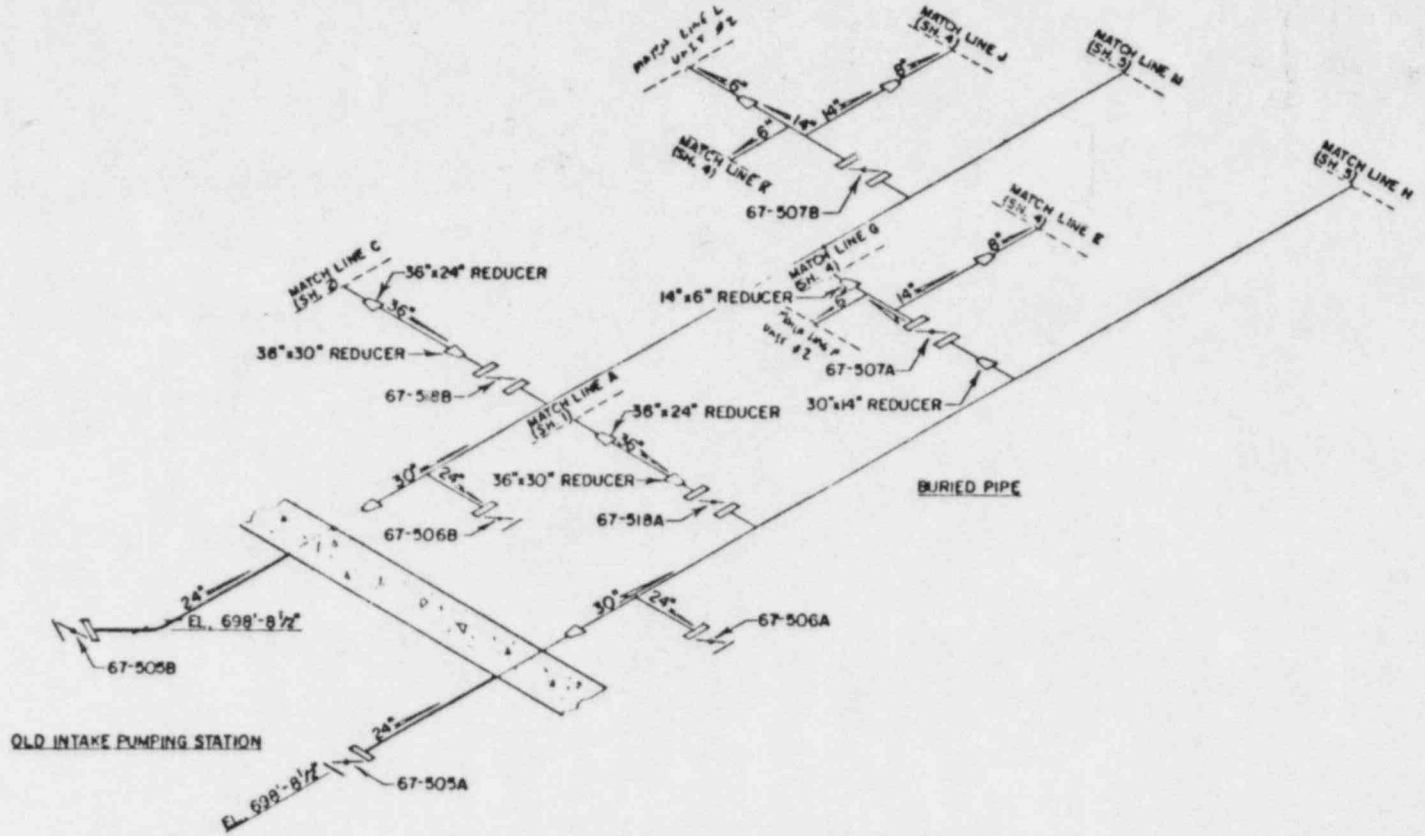
REFERENCE DRAWINGS
17W300 SERIES
37W205 SERIES
TVA SAFETY CLASS C



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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYA NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM

DRAWING NO. 1SI-0123-C R0

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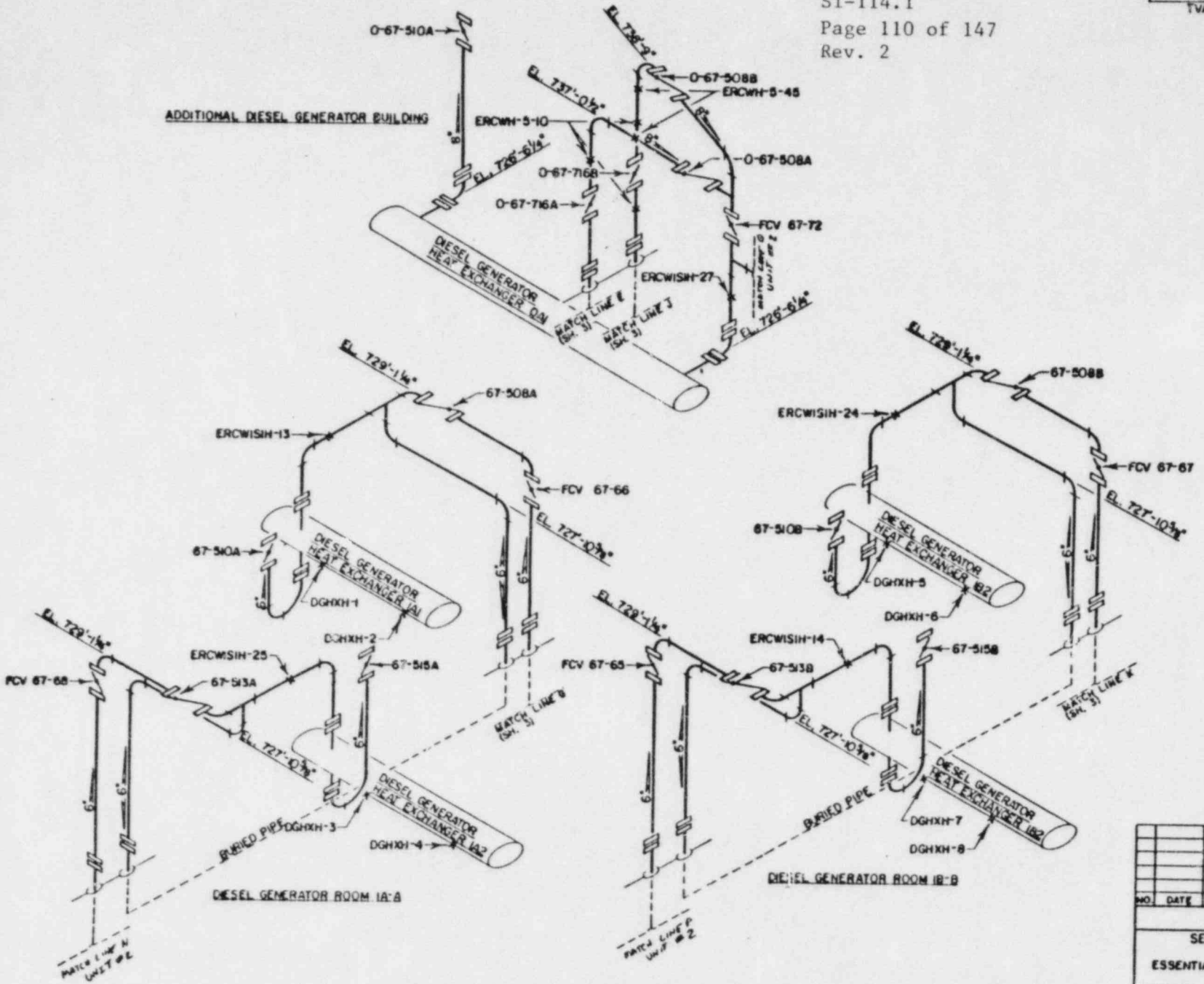

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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

ISI-0123-C

REFERENCE DRAWINGS
47K450-50
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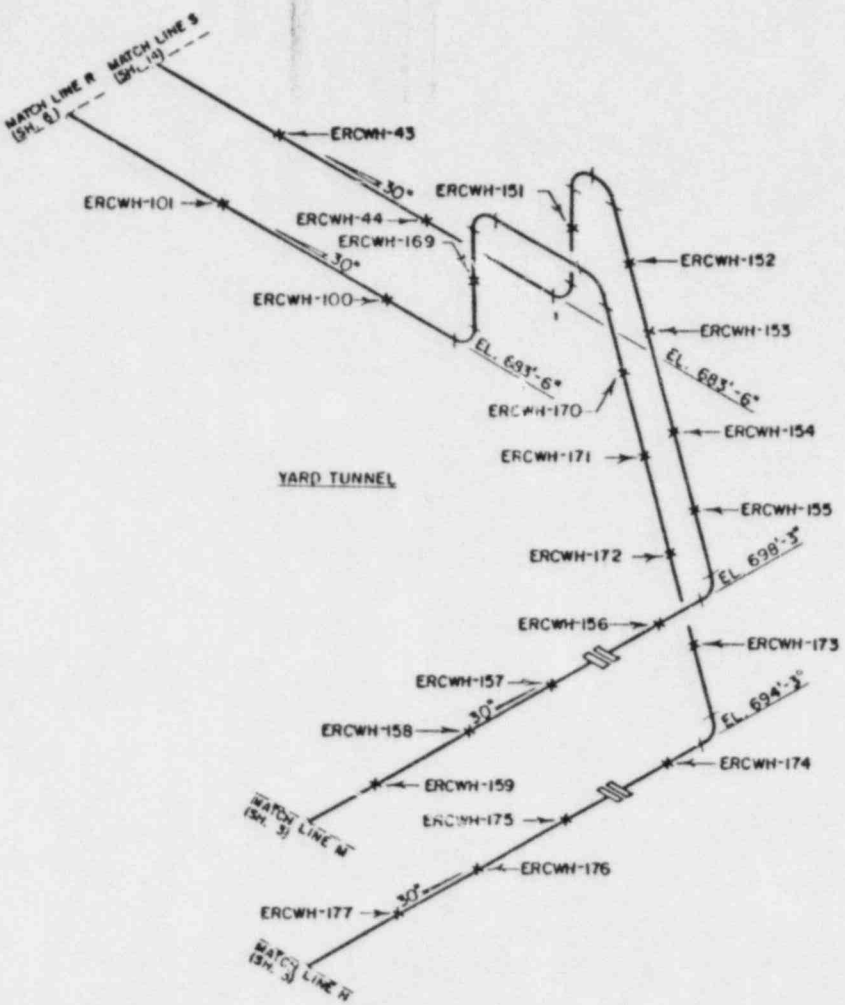
TVA SAFETY CLASS C



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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

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DESIGNED [illegible]			1SI-0123-C

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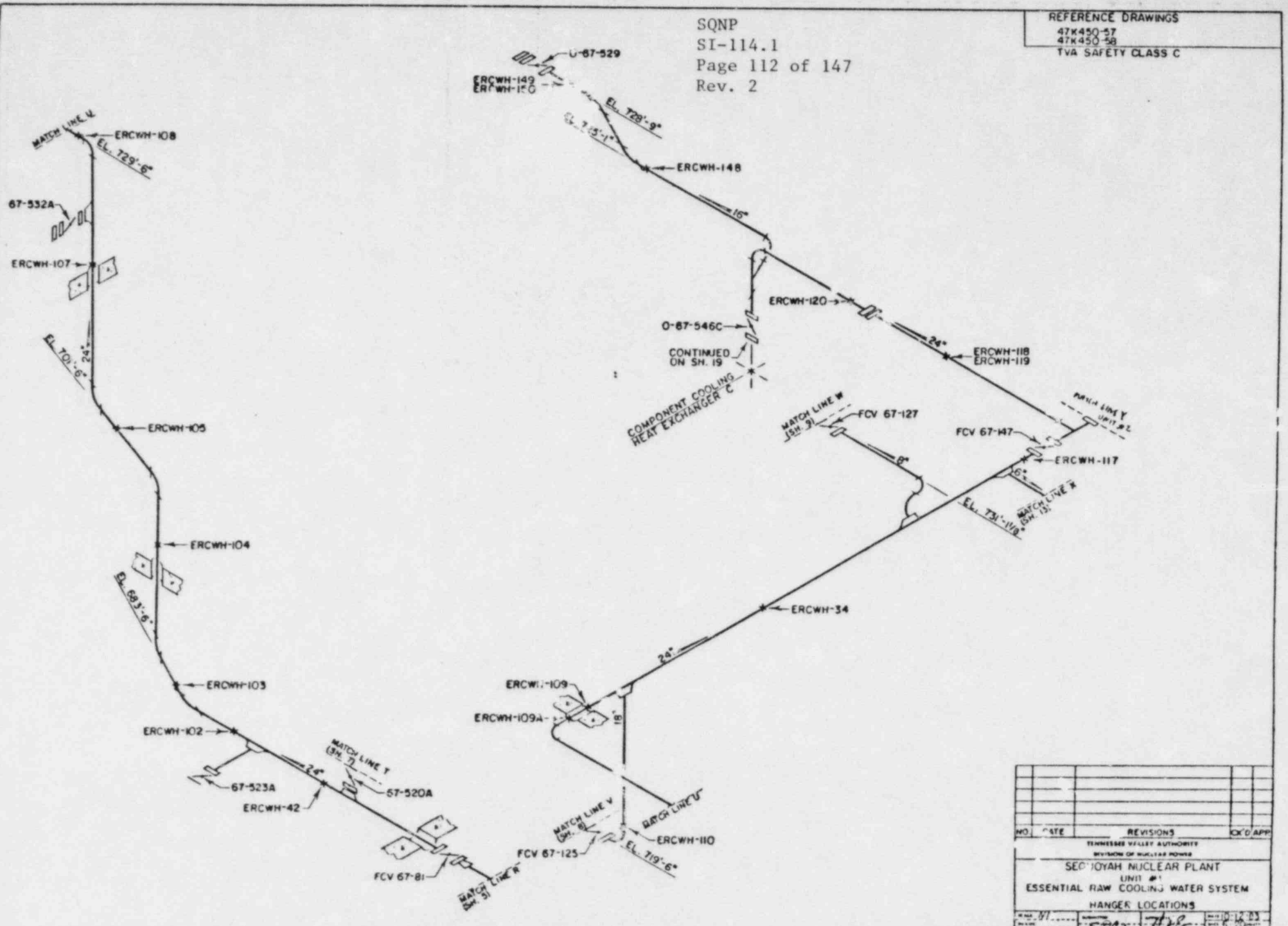
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47K450-58
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EL. 728'-9"
EL. 725'-1"
ERCWH-148
16"
ERCWH-120
24"
ERCWH-118
ERCWH-119
O-67-546C
CONTINUED ON SH. 19
COMPONENT COOLING HEAT EXCHANGER C
MATCH LINE V
ERCWH-108
EL. 729'-6"
67-532A
ERCWH-107
EL. 701'-9"
24"
ERCWH-105
ERCWH-104
EL. 693'-6"
ERCWH-103
ERCWH-102
MATCH LINE T (SH. 7)
24"
67-523A
67-520A
ERCWH-42
FCV 67-81
MATCH LINE R (SH. 3)
MATCH LINE W (SH. 3)
FCV 67-127
8"
FCV 67-147
MATCH LINE Y UNIT #2
ERCWH-117
6"
MATCH LINE X (SH. 13)
EL. 731'-11 1/8"
ERCWH-34
24"
ERCWH-109
ERCWH-109A
18"
MATCH LINE U
MATCH LINE V (SH. 8)
ERCWH-110
FCV 67-125
EL. 719'-6"
NO. DATE REVISIONS CK'D APP'D
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS
ISI-0123-C

REFERENCE DRAWINGS
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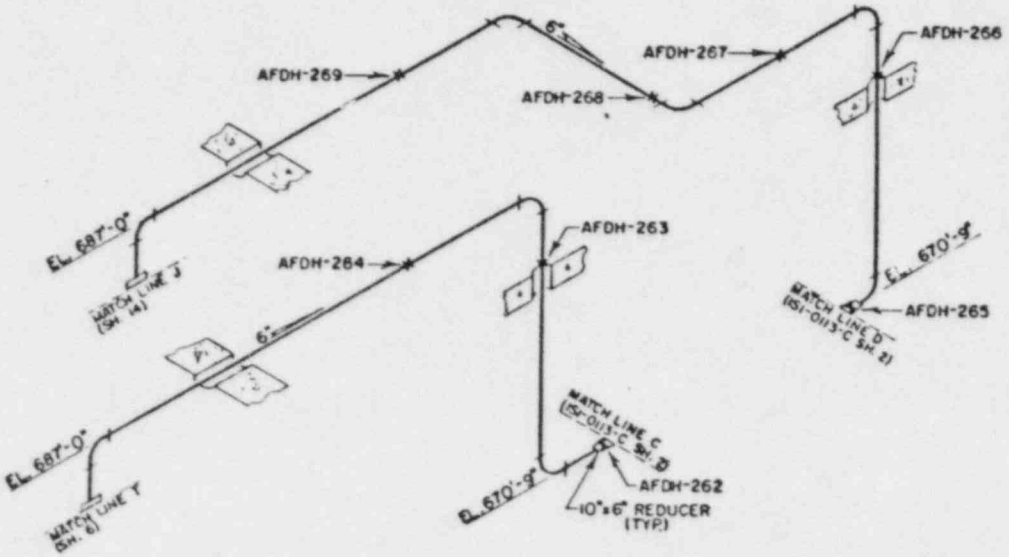
TVA SAFETY CLASS C



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TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

1SI-0123-C R0

REFERENCE DRAWINGS
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47K450-70
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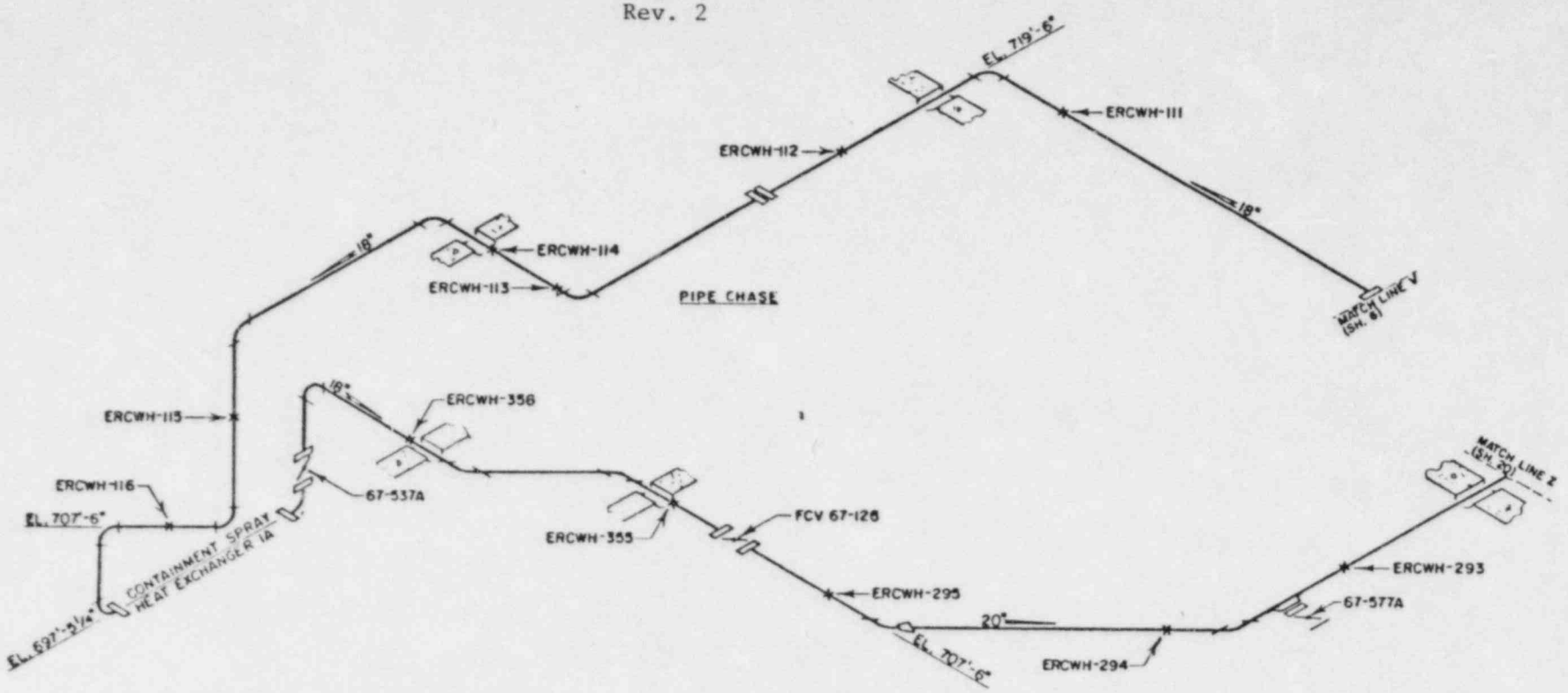

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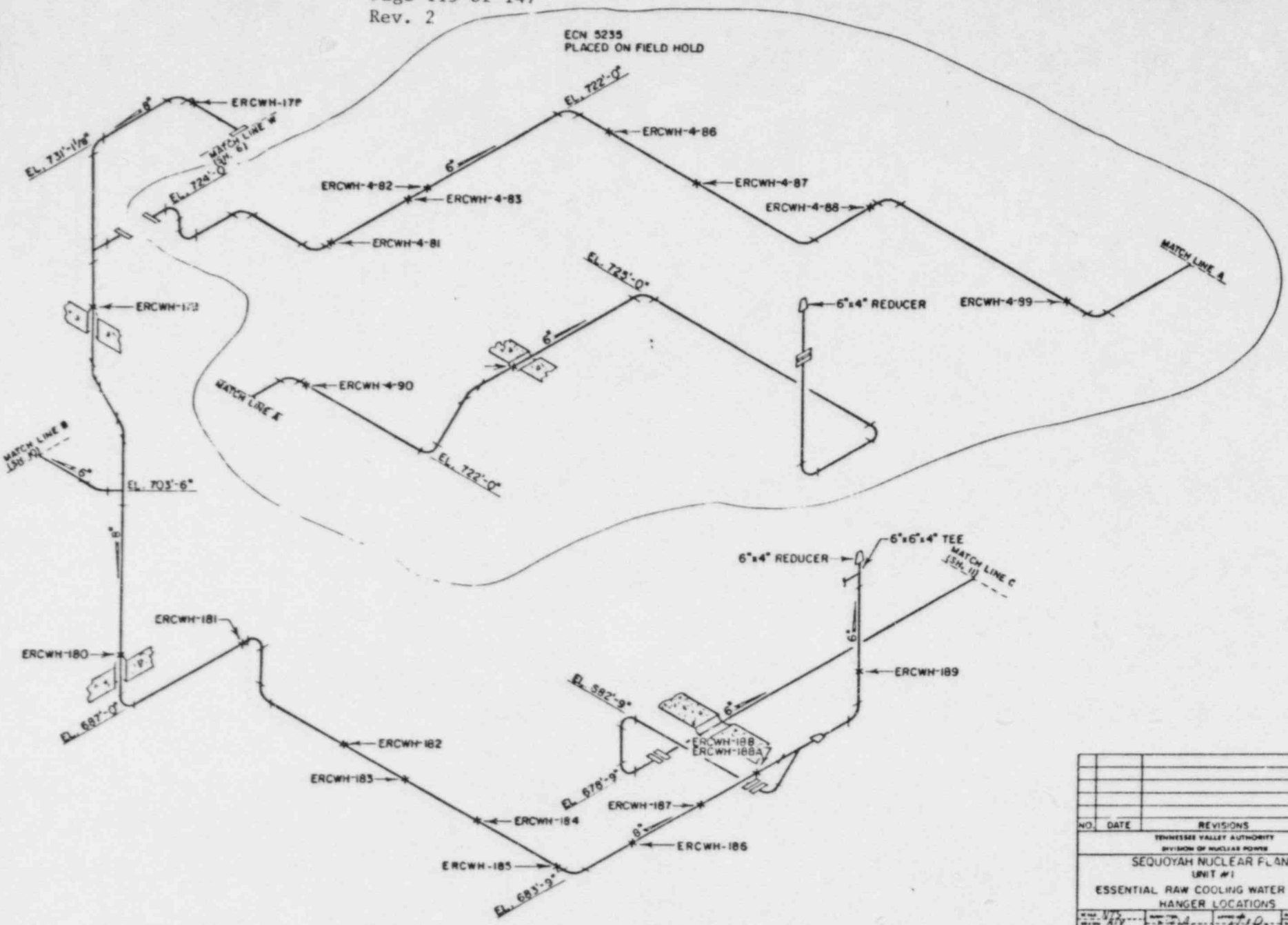
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

1SI-0123-C R0

REFERENCE DRAWINGS
47K450-58
47K450-232
TVA SAFETY CLASS C



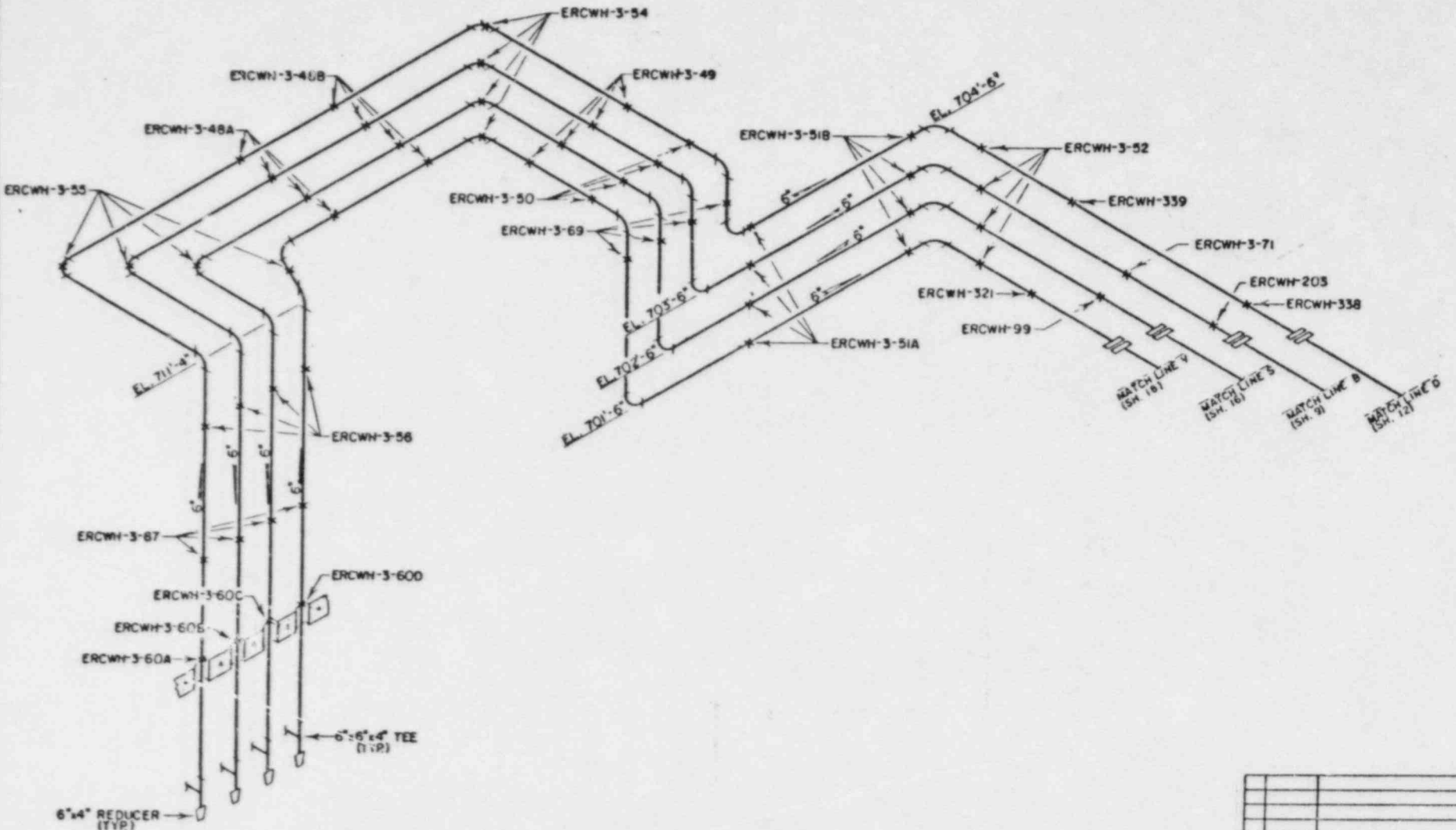
NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

10-16-85
1SI-0123-C
RO

REFERENCE DRAWINGS
47K450-51
47K450-58
47K450-66
47K450-69
47W450 SERIES
TVA SAFETY CLASS C



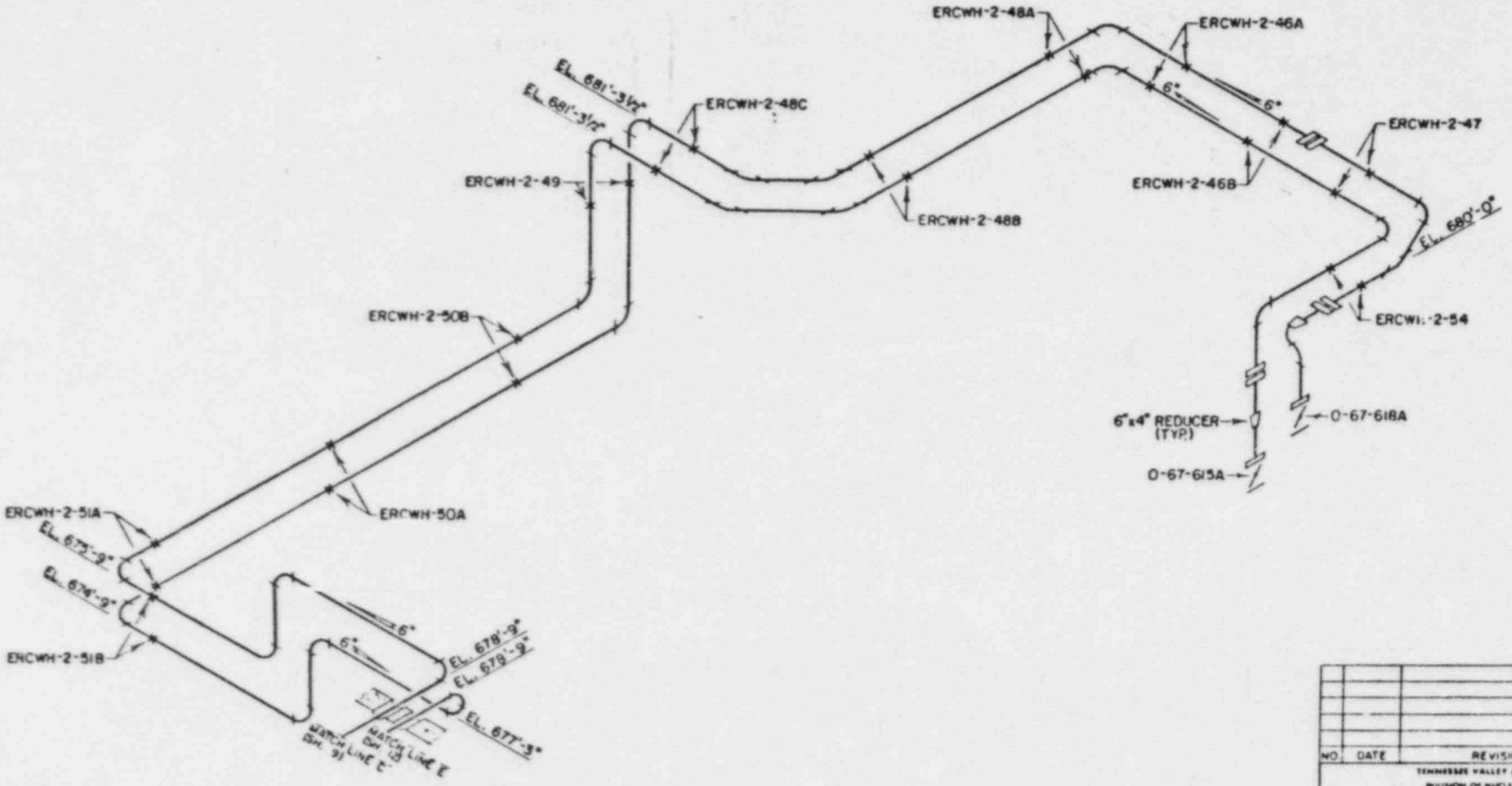
NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DRAWN MTS	CHECKED WJA	APPROVED [illegible]	DATE 10-24-83
TRACED [illegible]			SQN DRAWING
			1-SI-0123-C

REFERENCE DRAWINGS
47W450 SERIES
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

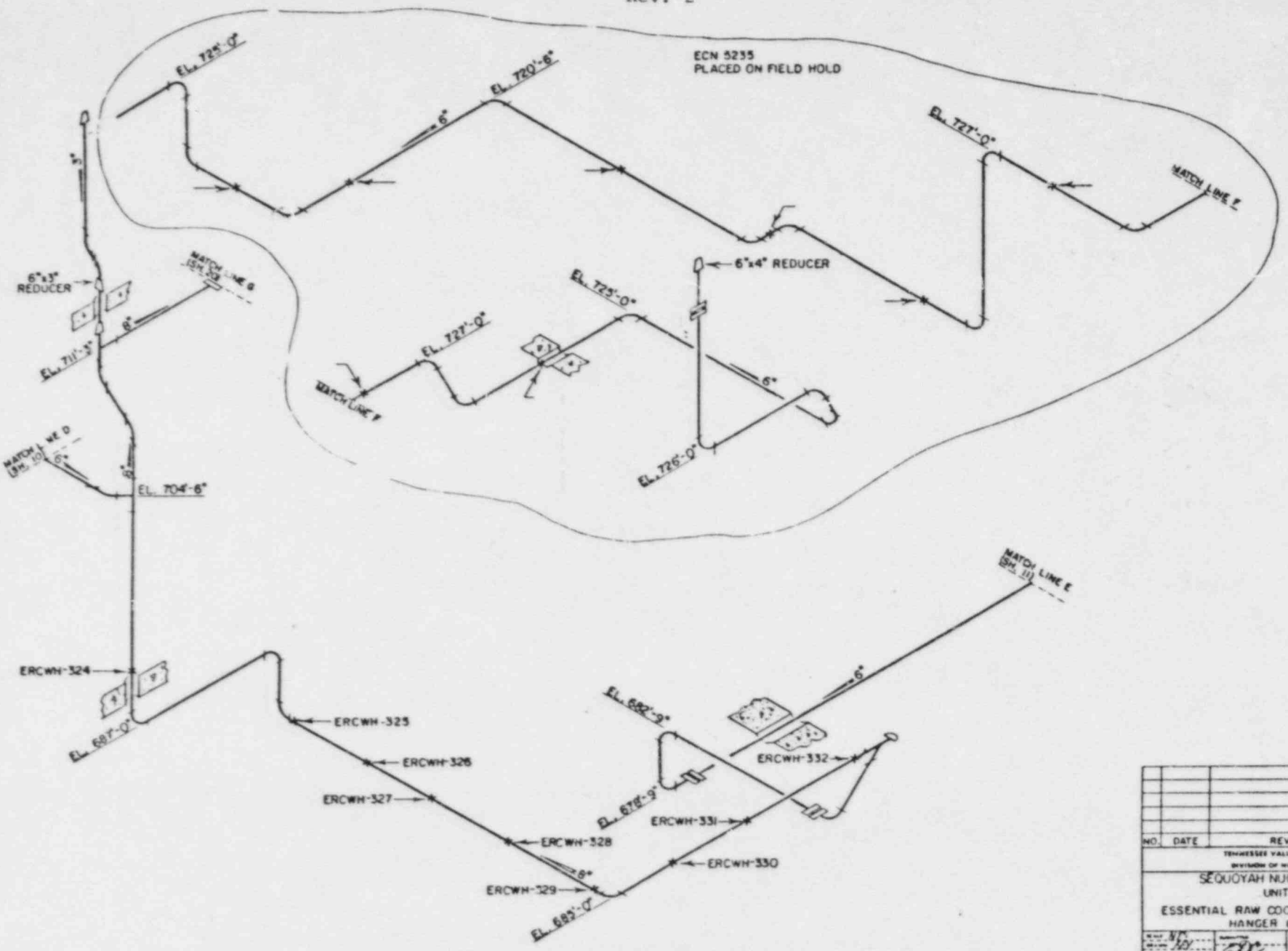
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DESIGNED	DRAWN	CHECKED	10-25-81
			1SI-0123-C

10

REFERENCE DRAWINGS
47K450-69
47K450-233
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D APP

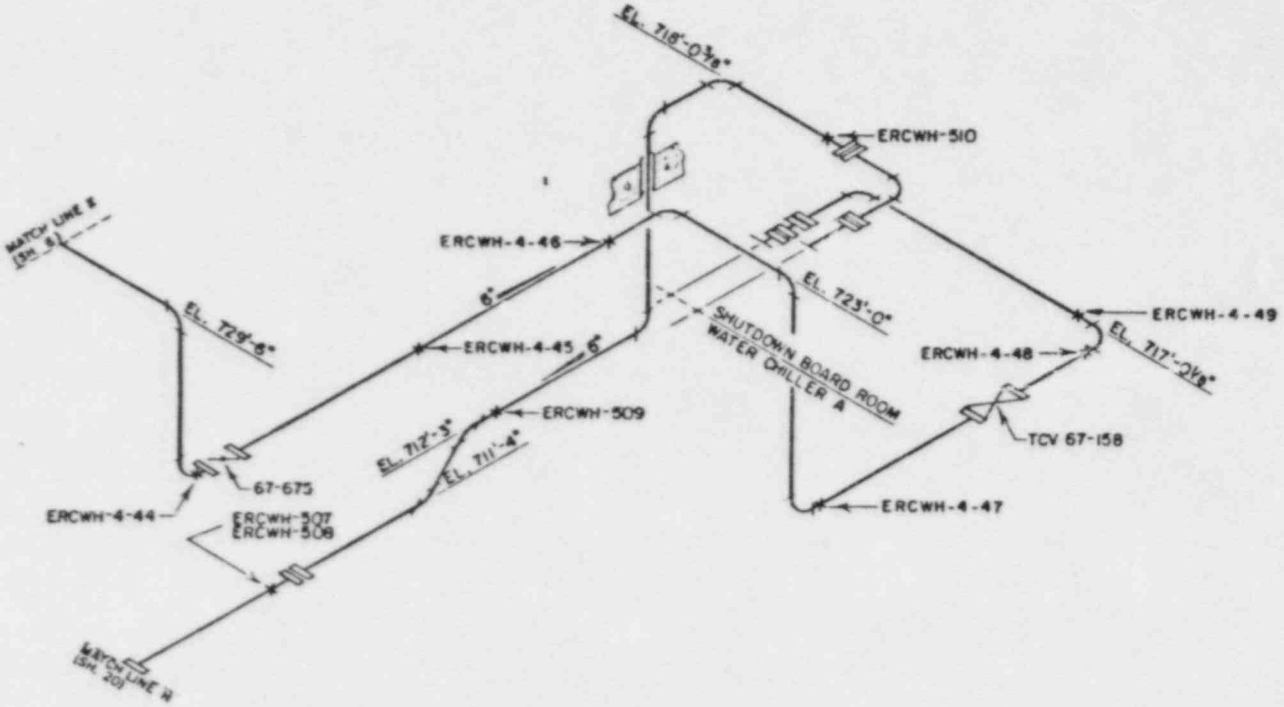
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DRAWN	CHECKED	APPROVED	47K26-R3
			47K26-R4
TRACED			1SI-0123-C

-101R-

REFERENCE DRAWINGS
47K450-58
47K450-66
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

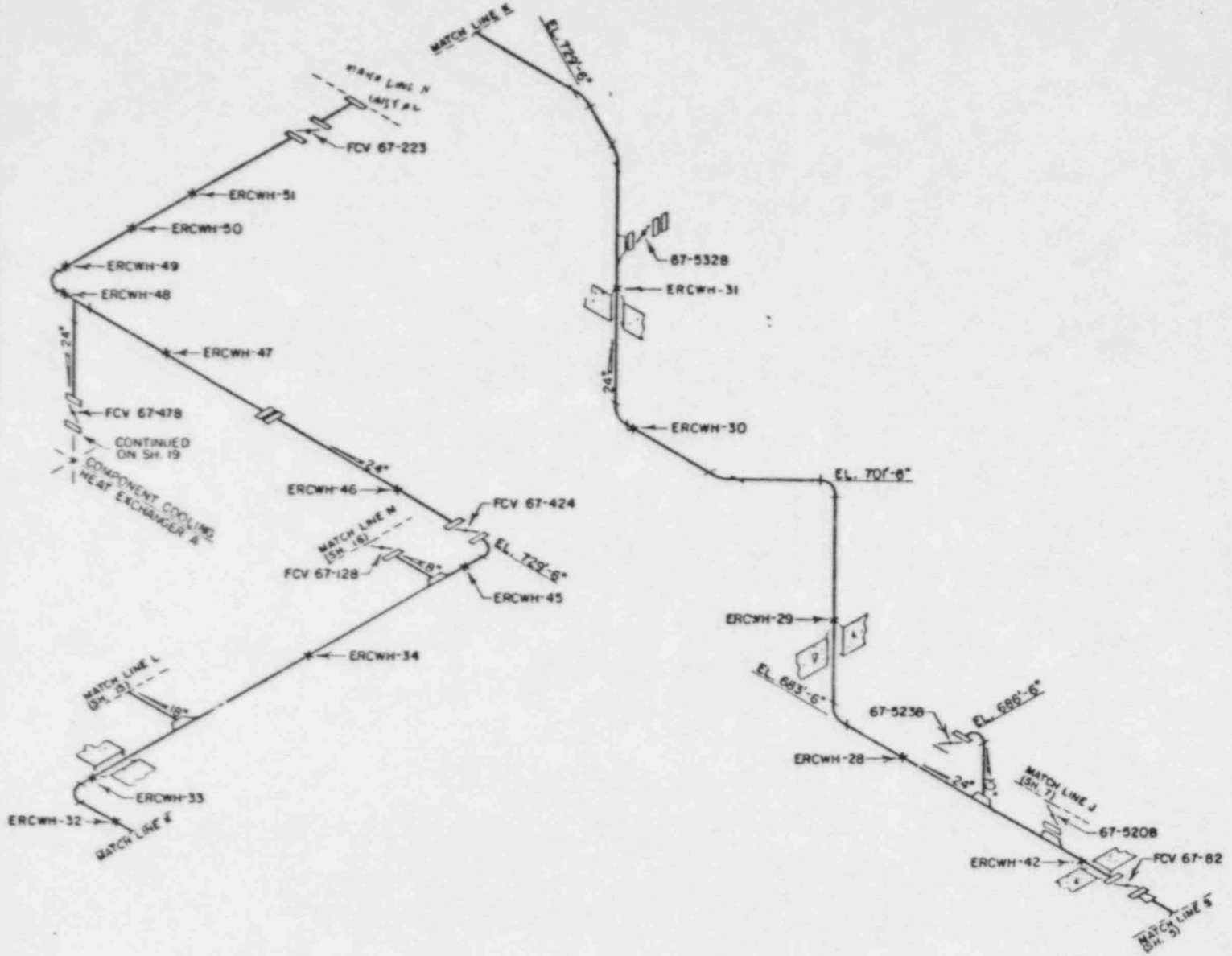
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DESIGNED	DRAWN	TRACED	DATE
NTB	[illegible]	[illegible]	4-26-83
DESIGN SUP.			
DESIGN SUP.			1SI-0123-C

50

REFERENCE DRAWINGS
47K450-50
47K450-51
TVA SAFETY CLASS C



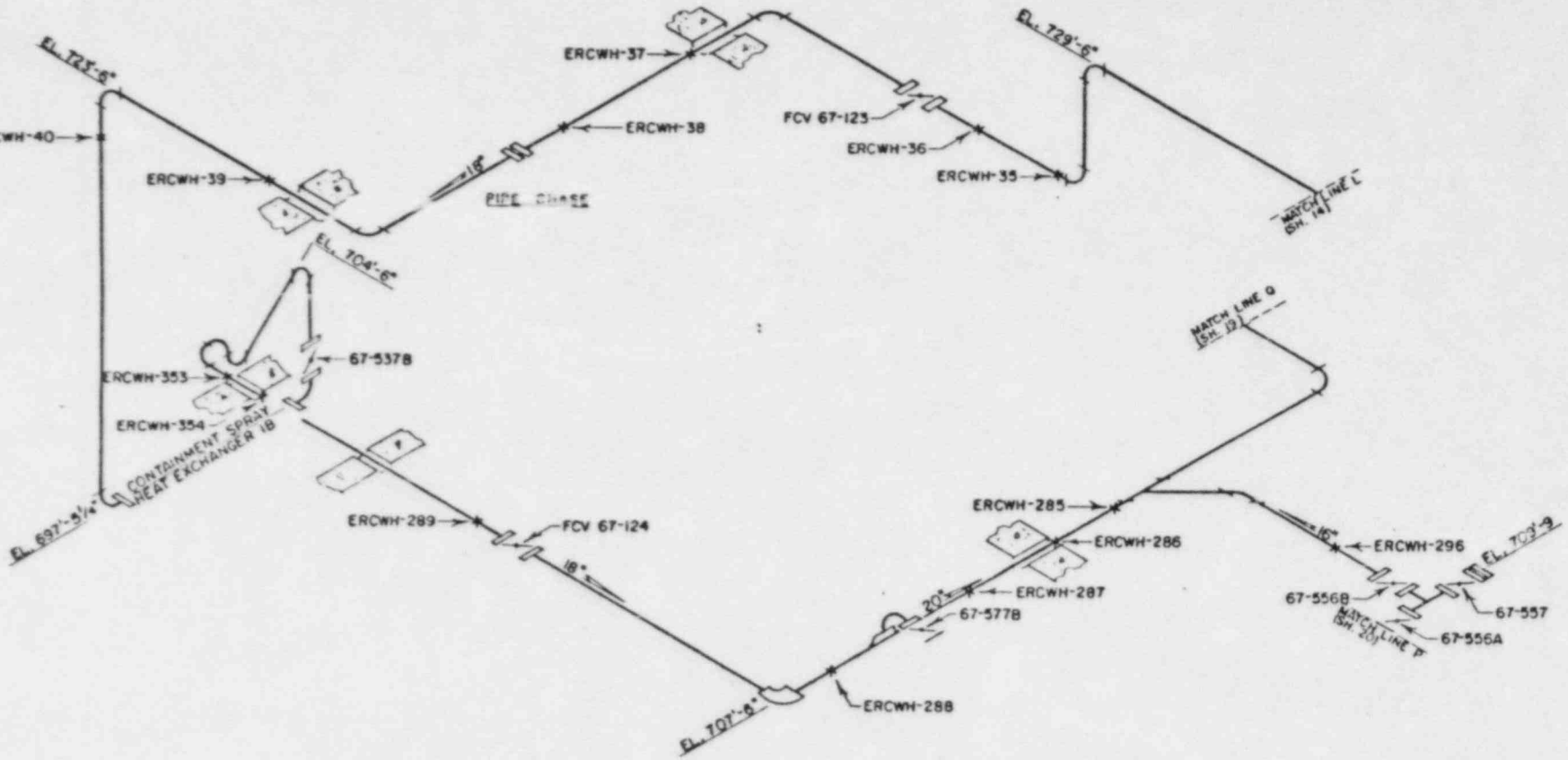
NO.	DATE	REVISIONS	CK'D	APP.

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DRAWN RTS	CHECKED [illegible]	APPROVED [illegible]	12-22-83
TRACED [illegible]			1SI-0123-C

REFERENCE DRAWINGS
47K450-30
47K450-66
47K450-67
47K450-68
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	K.K'D.	APP

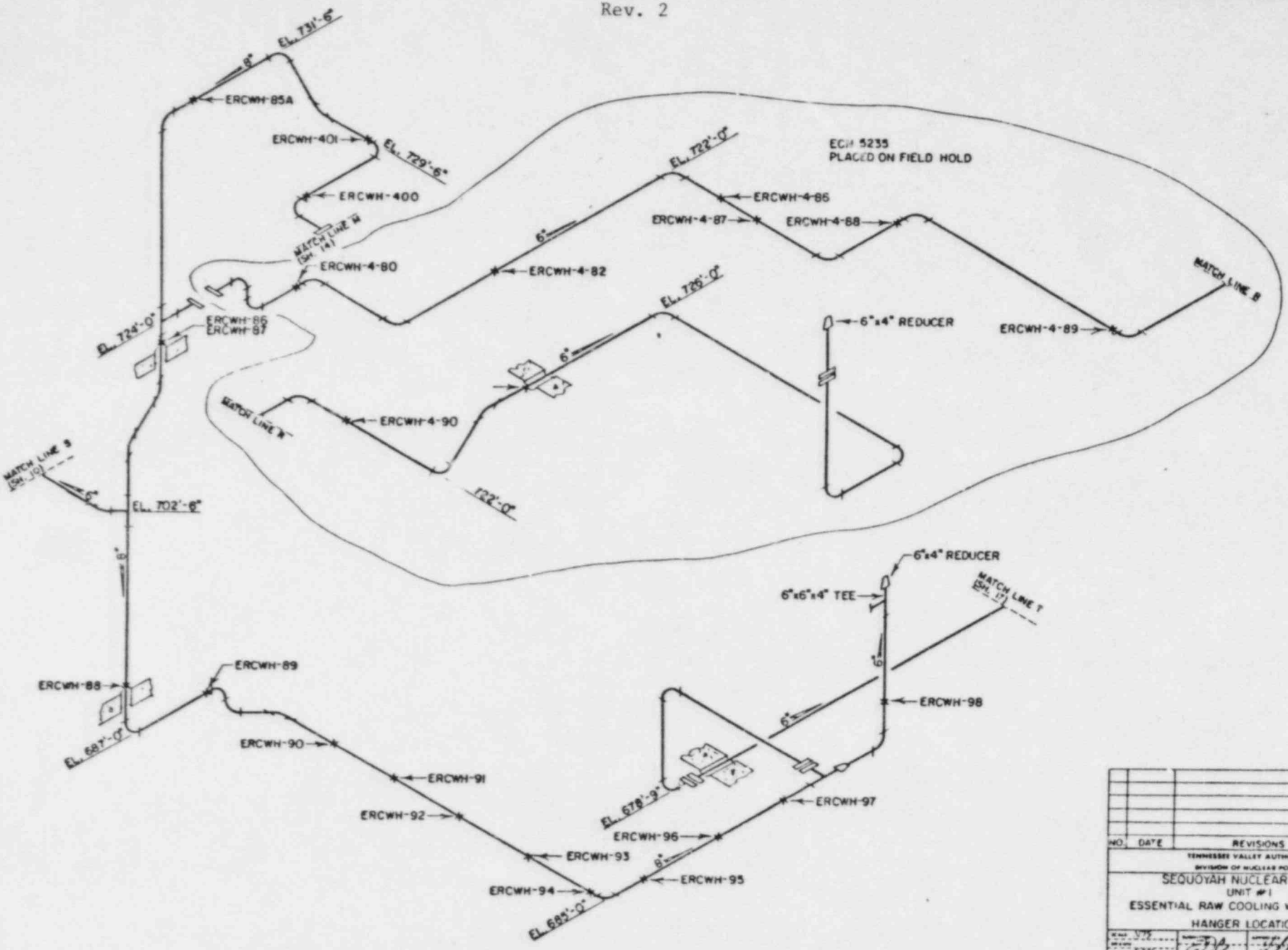
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DESIGN	DRAWN	APPROVED	DATE 10-16-85
			1SI-0123-C

R0

REFERENCE DRAWINGS
47x450-51
47x450-231
47W450 SERIES
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D APP

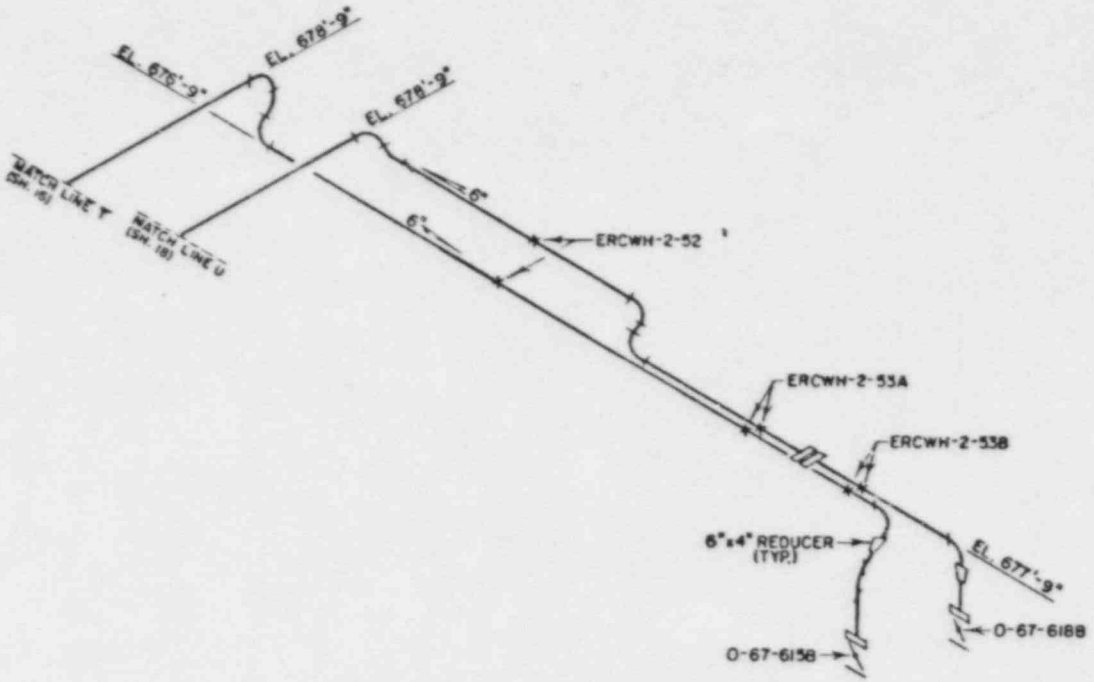
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DRAWN	DESIGNED	APPROVED	DATE
			10-28-83

SI-0123-C R0

REFERENCE DRAWINGS
47W450 SERIES
TVA SAFETY CLASS C



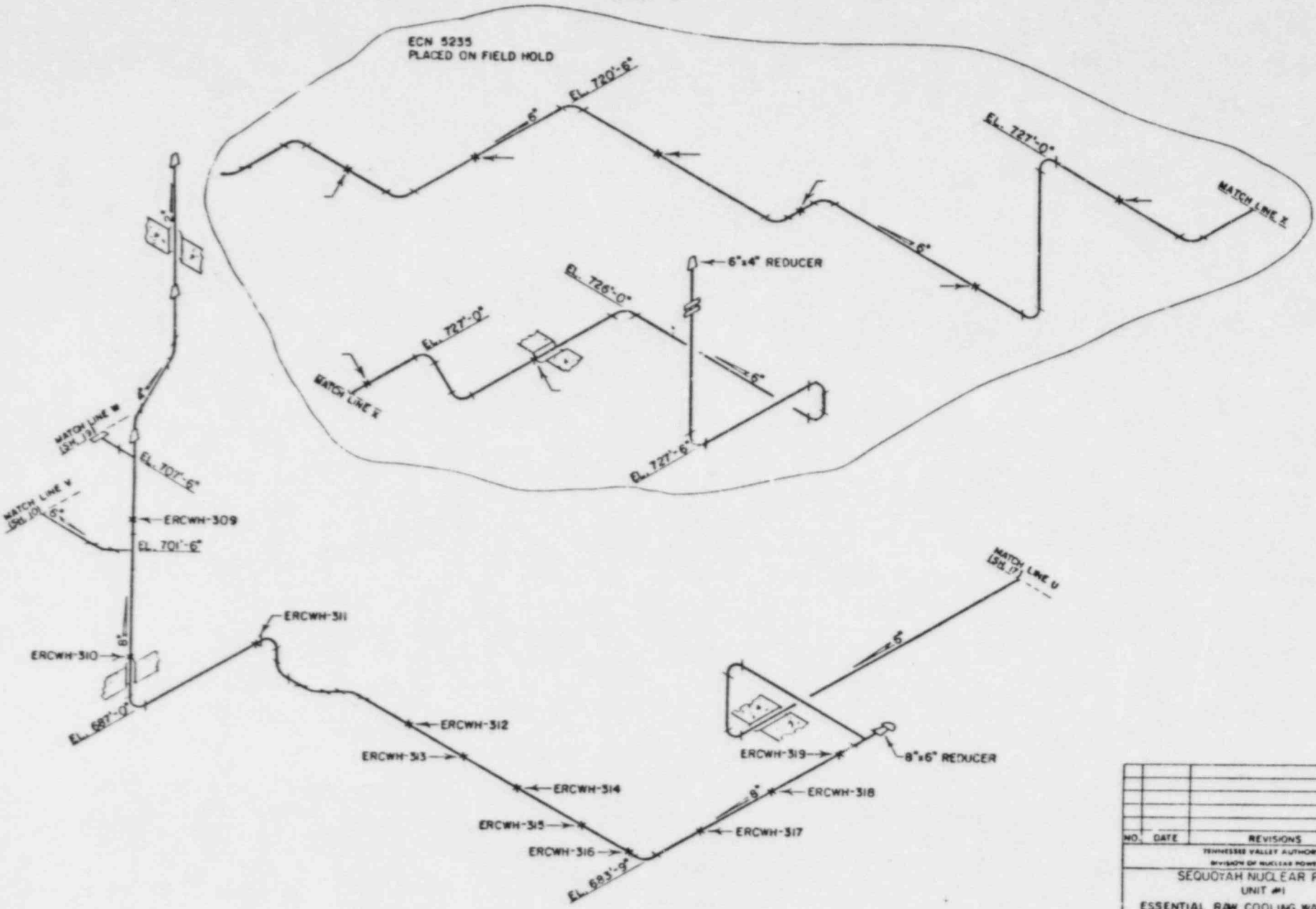
NO.	DATE	REVISIONS	CK'D	APP'D

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DRAWN 2-22 | 2-22 | 2-22 | 2-25-83 | 47W450-C | NO

REFERENCE DRAWINGS
47K450-66
47K450-233
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

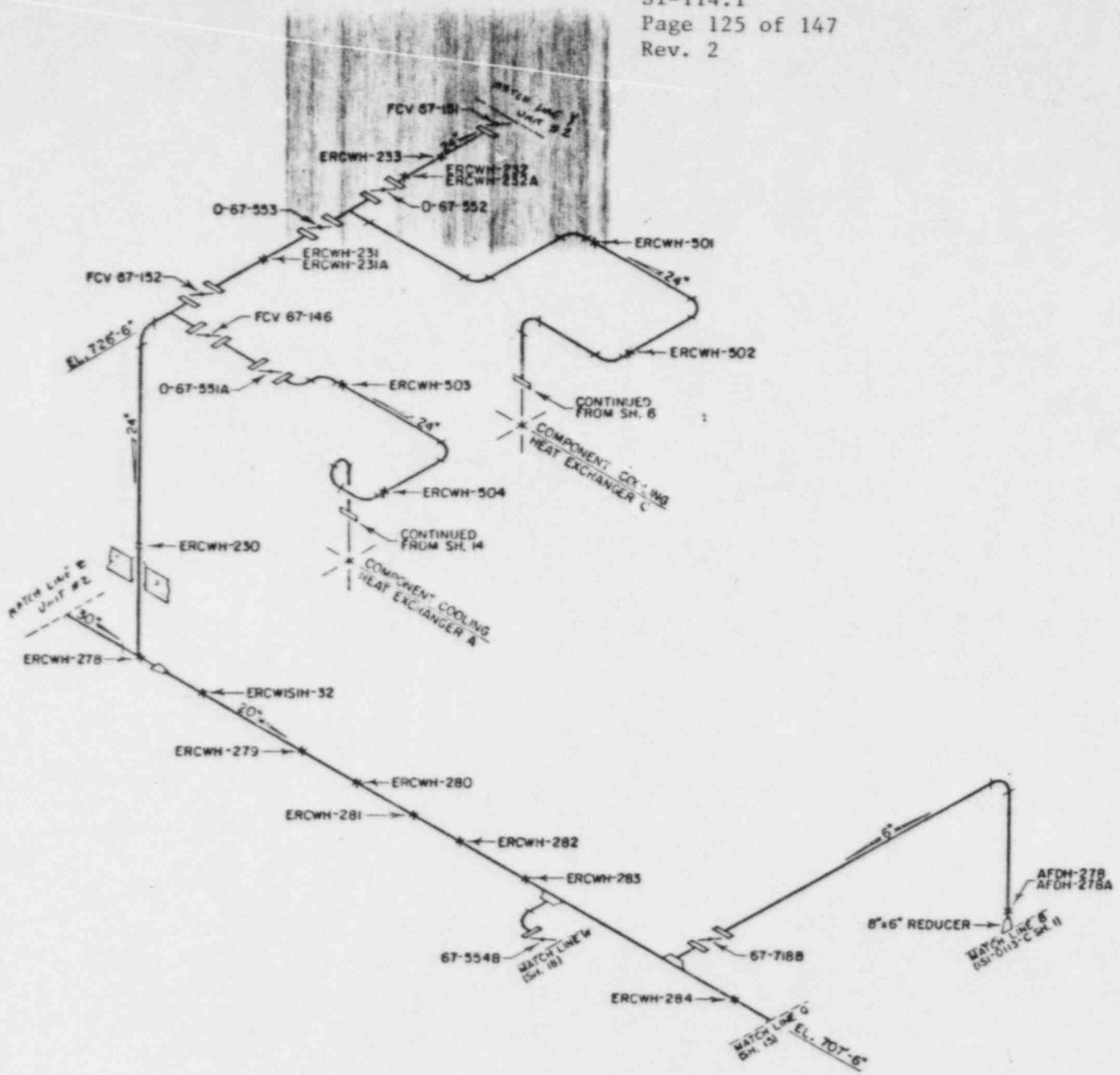
DRAWN BMS			4-23-85
DESIGN AD			
CHECKED			
APPROVED			

SI-0125-C

ND

-191X-

REFERENCE DRAWINGS
47K450-65
47K450-66
TVA SAFETY CLASS C



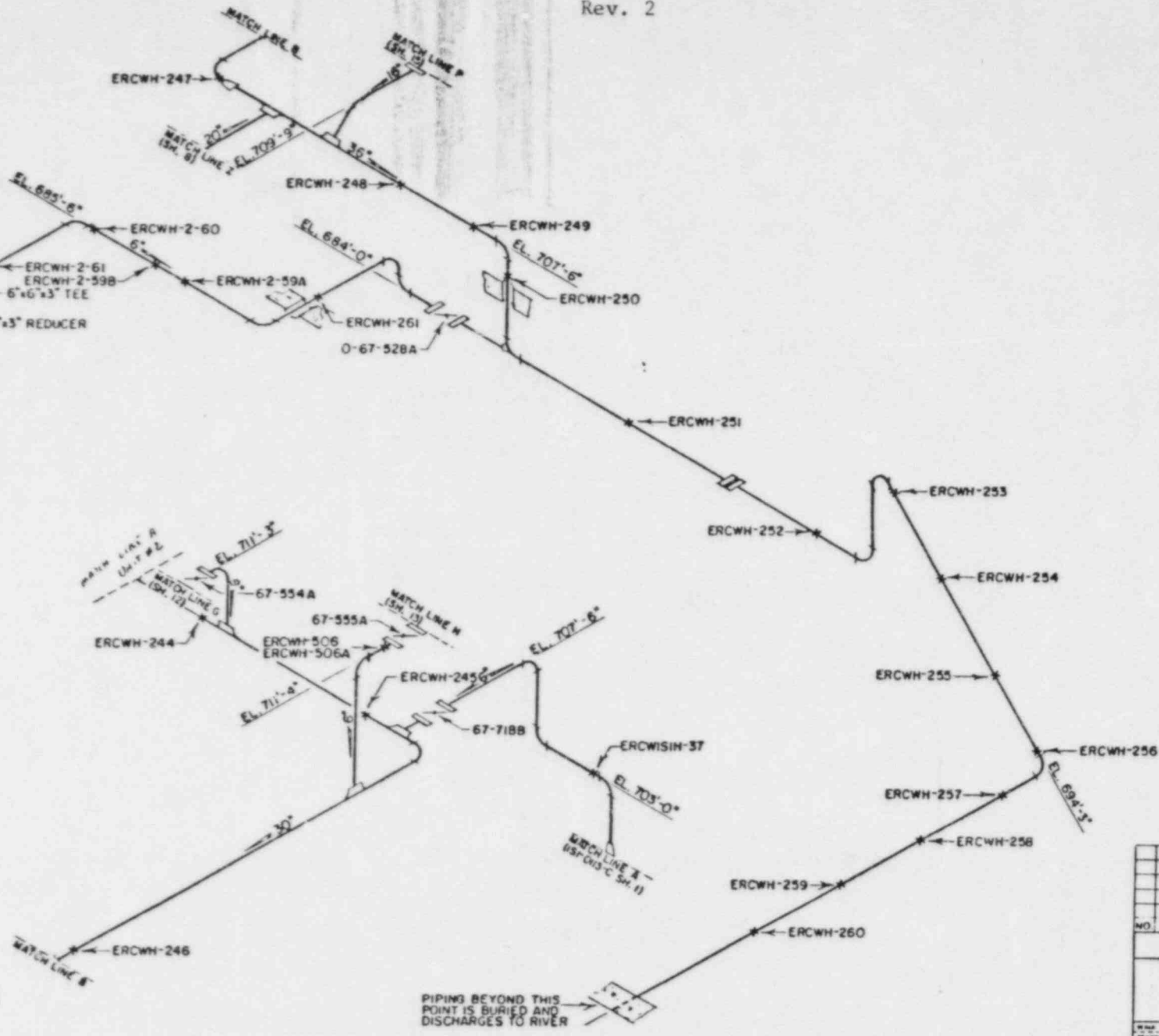
NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DRAWN RJC | TRACED | DESIGN ENGR. | CHECKED | APPROVED | DATE 6-29-83
ISI-0123-C

REFERENCE DRAWINGS
47K450-67
47K450-69
47W450 SERIES
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D APP'D

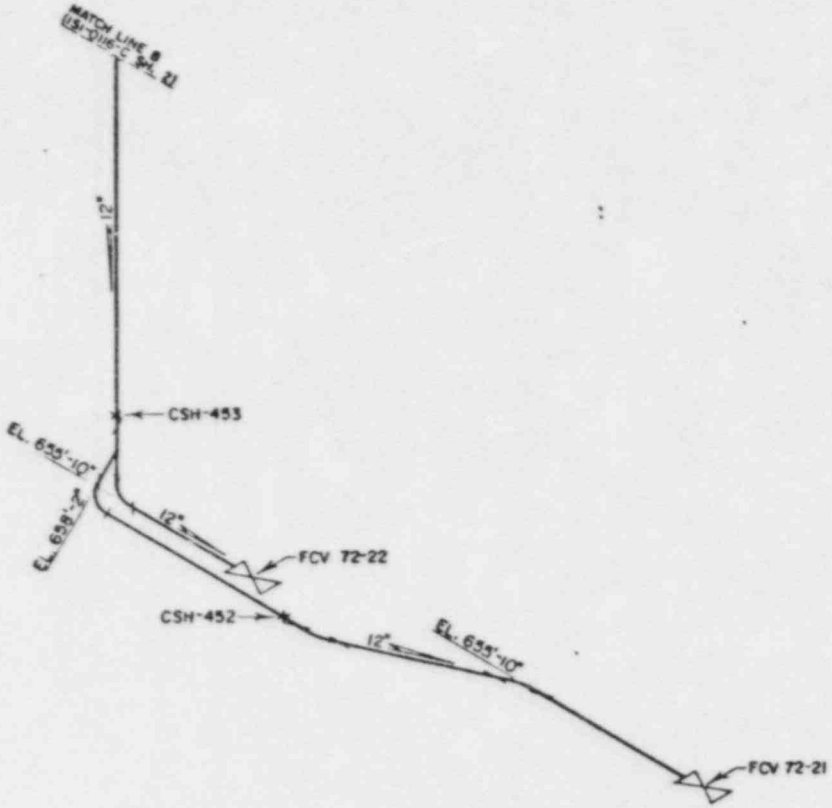
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSETIAL RAW COOLING WATER SYSTEM
HANGER LOCATIONS

DES	DRN	APP'D	DATE
RLE	[illegible]	[illegible]	10-22-83

SI-0123-C

REFERENCE DRAWINGS
47K435-51
TVA SAFETY CLASS C



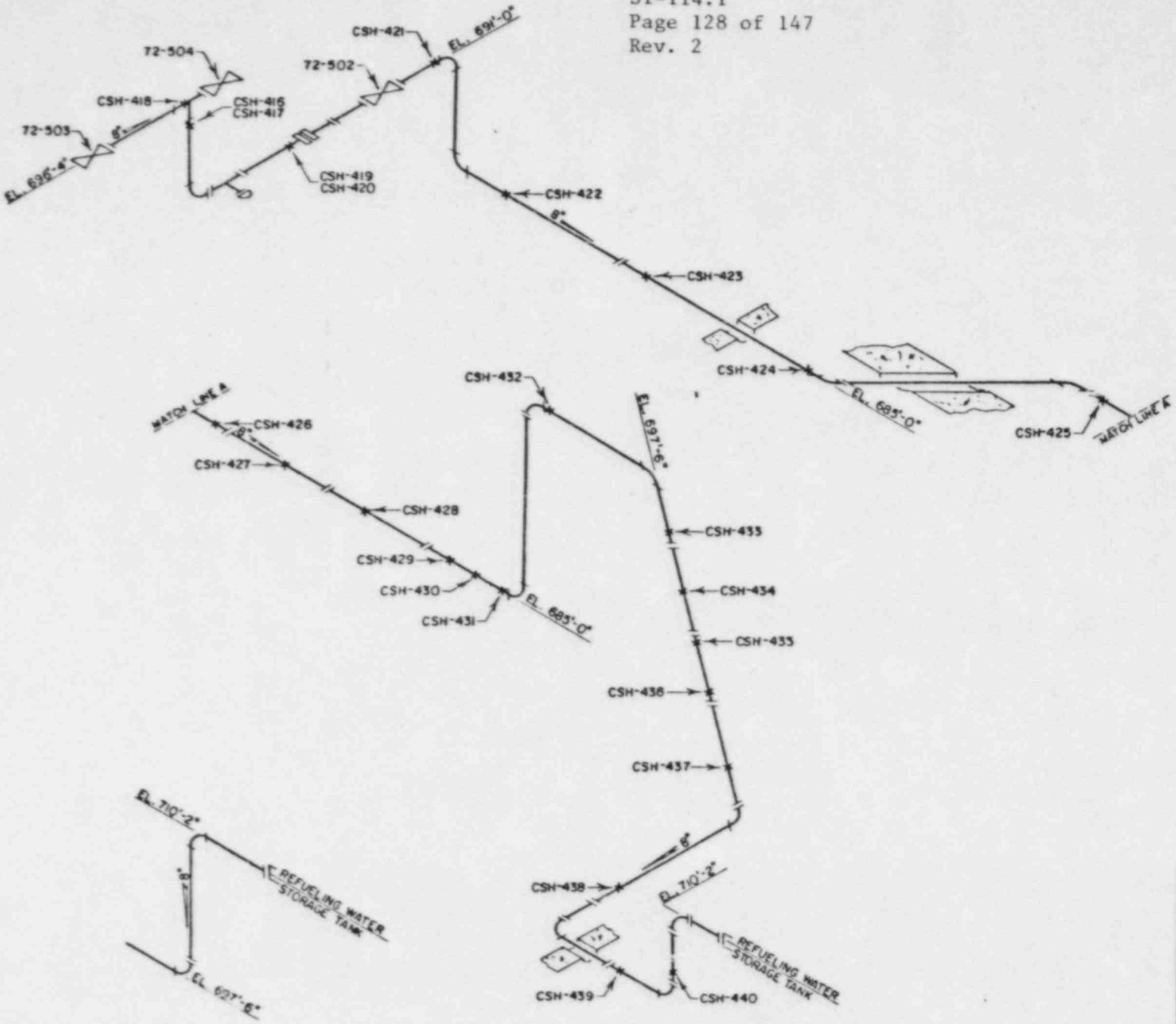
NO.	DATE	REVISIONS	CK'D/APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
CONTAINMENT SPRAY SYSTEM
HANGER LOCATIONS

11-9-85
SI-0125-C

REFERENCE DRAWINGS
47K437-51
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D APP

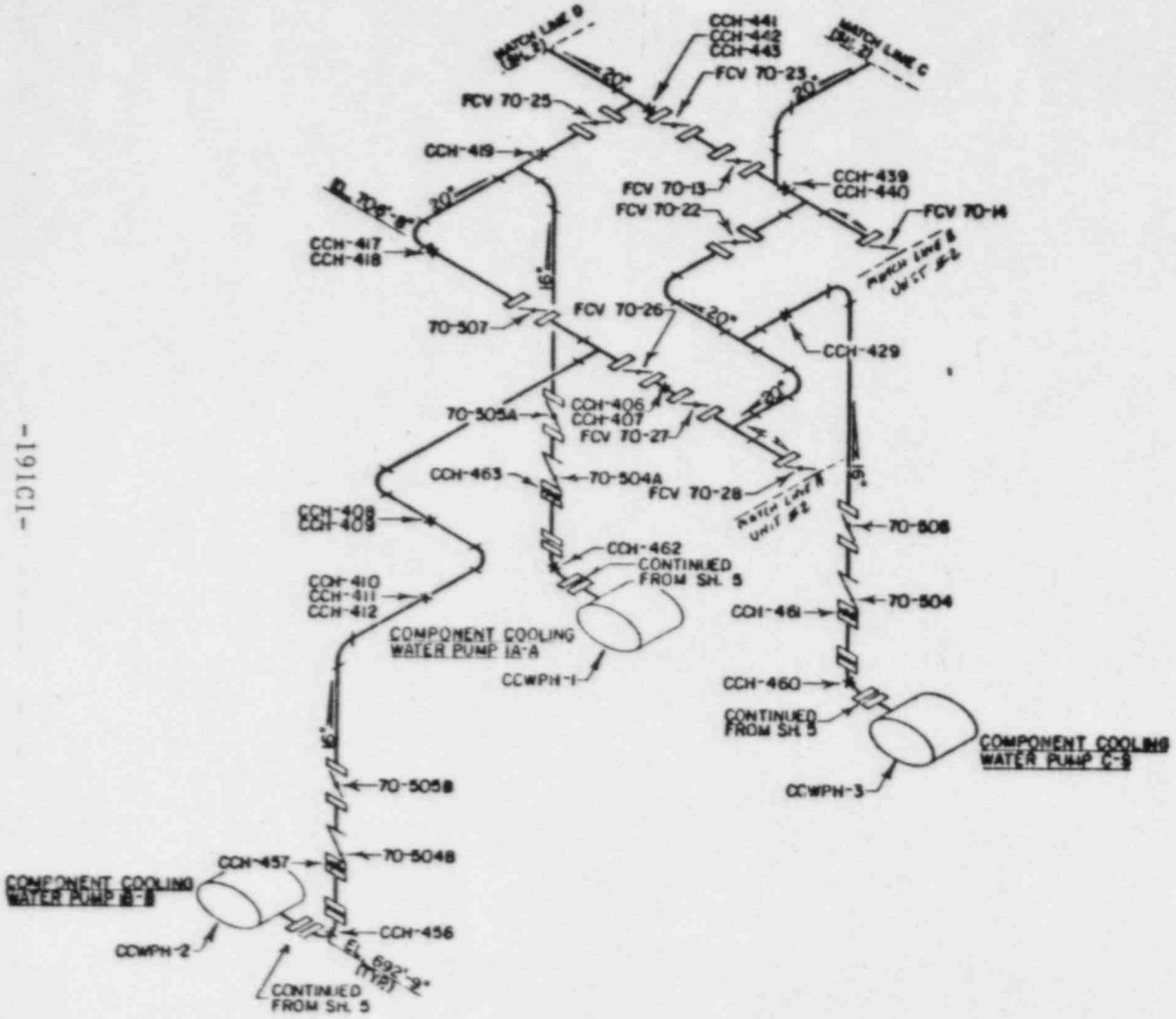
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
CONTAINMENT SPRAY SYSTEM
HANGER LOCATIONS

NCS			12-2-83
			1SI-0125-C

-1018-

REFERENCE DRAWINGS
47K454-50
47K464-52
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D

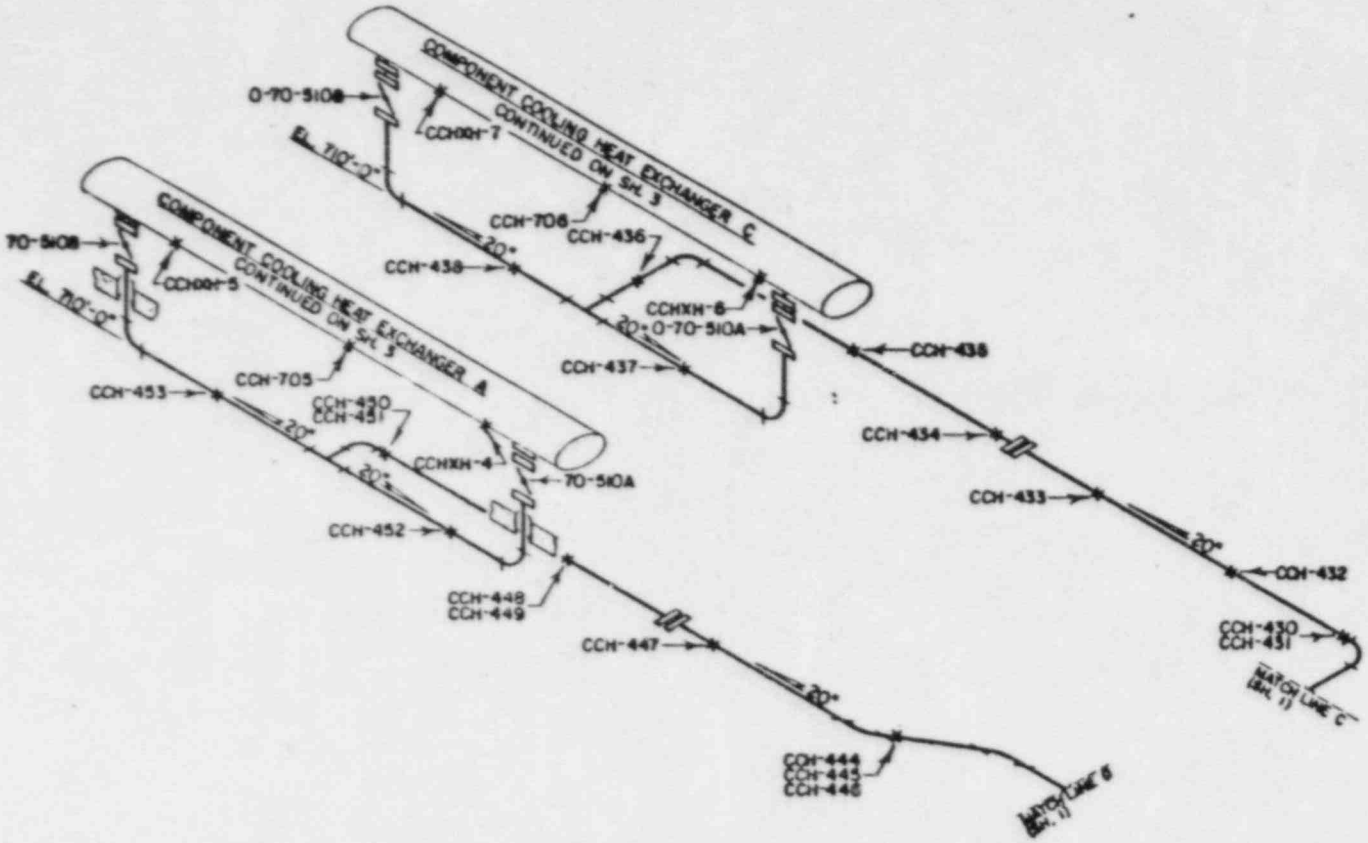
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

ISI-0126-C

-19161-

REFERENCE DRAWINGS
47X464-81
TVA SAFETY CLASS C



-191D1-

NO.	DATE	REVISIONS

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

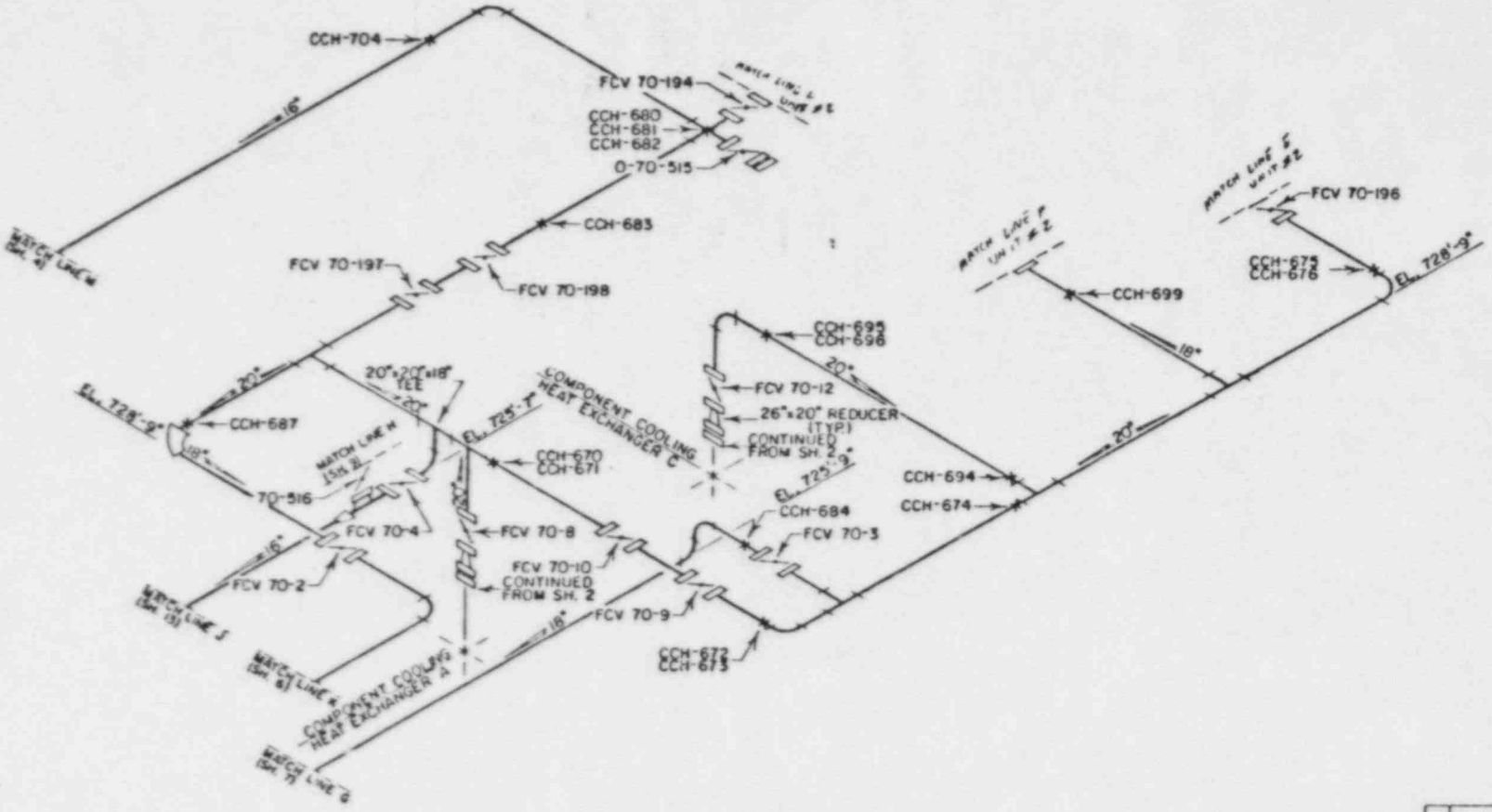
SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

1-S-83

1SI-0126-C

90

REFERENCE DRAWINGS
47K464-53
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

DESIGN [illegible]	DRAWN [illegible]	CHECKED [illegible]	APPROVED [illegible]
			1-16-83

ISI-0126-C

REFERENCE DRAWINGS
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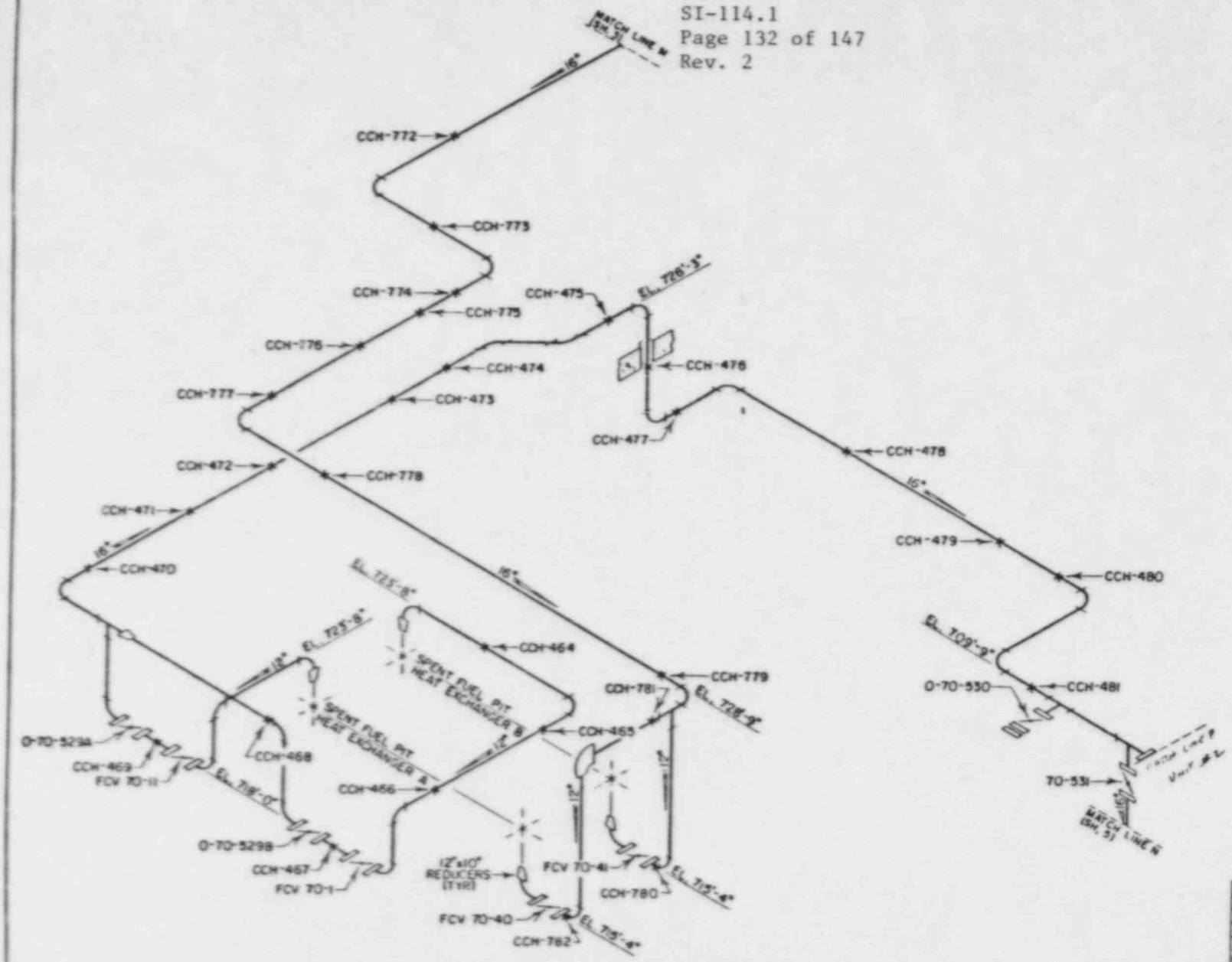
47K464-62
TVA SAFETY CLASS C



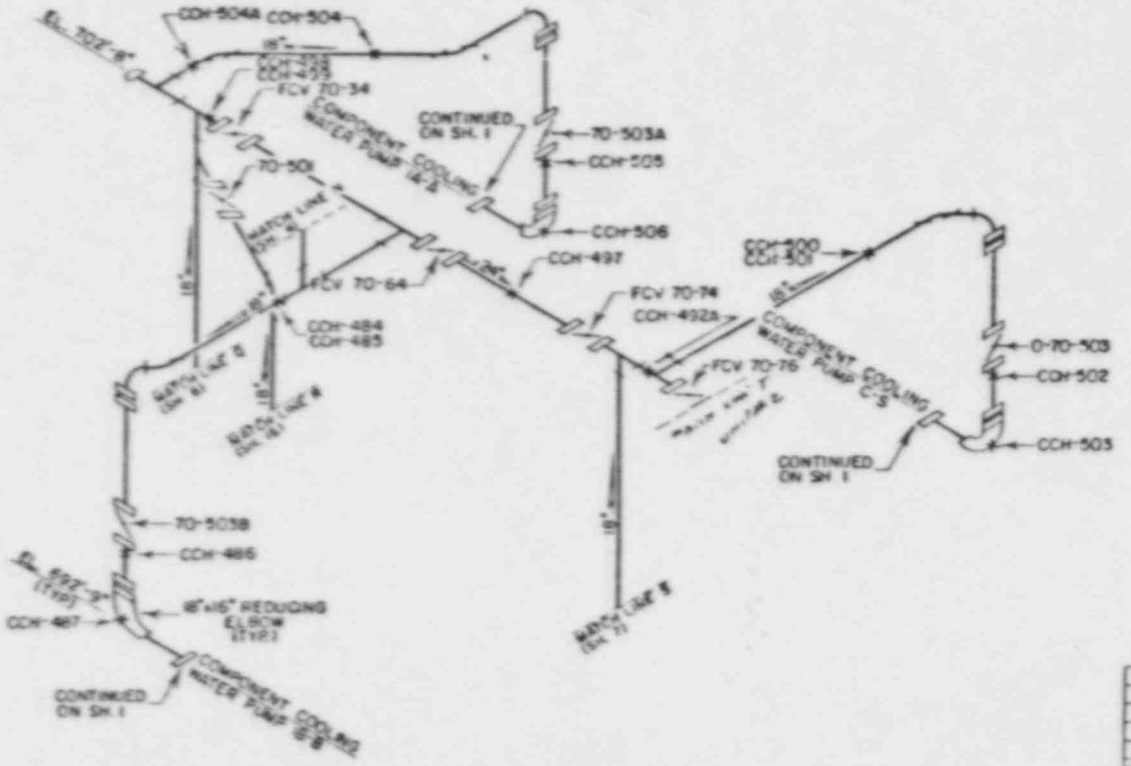
NO.	DATE	REVISIONS	CK'D APP.

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

SI-0126-C

REFERENCE DRAWINGS
47K464-63
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	BY	CK	APP

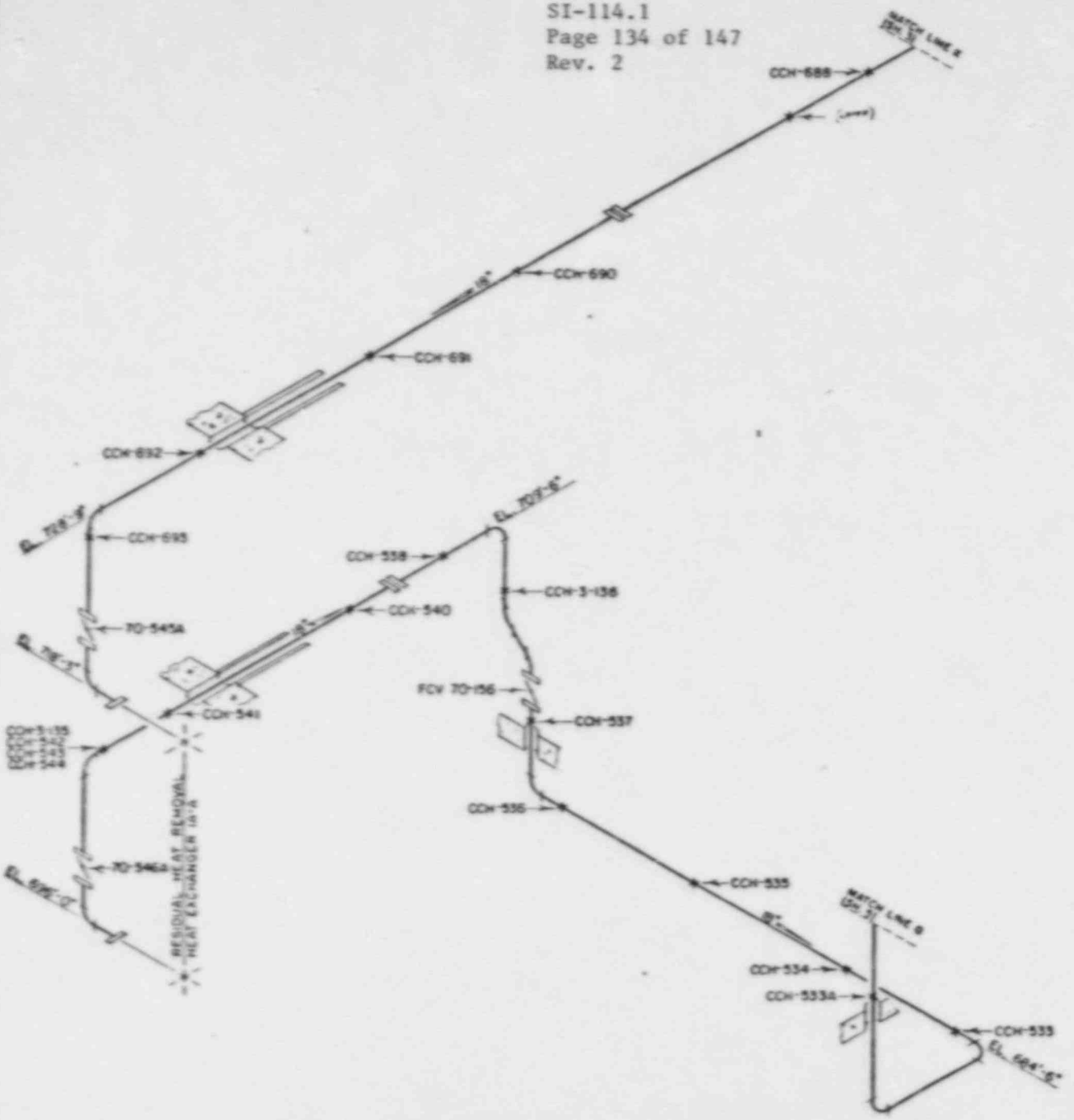
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

DRAWN	CHECKED	DESIGN SUPV.	DATE
			1-25-83

SI-0126-C

REFERENCE DRAWINGS
47K464-56
47K464-67
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	BY	CK'D	APP'D

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

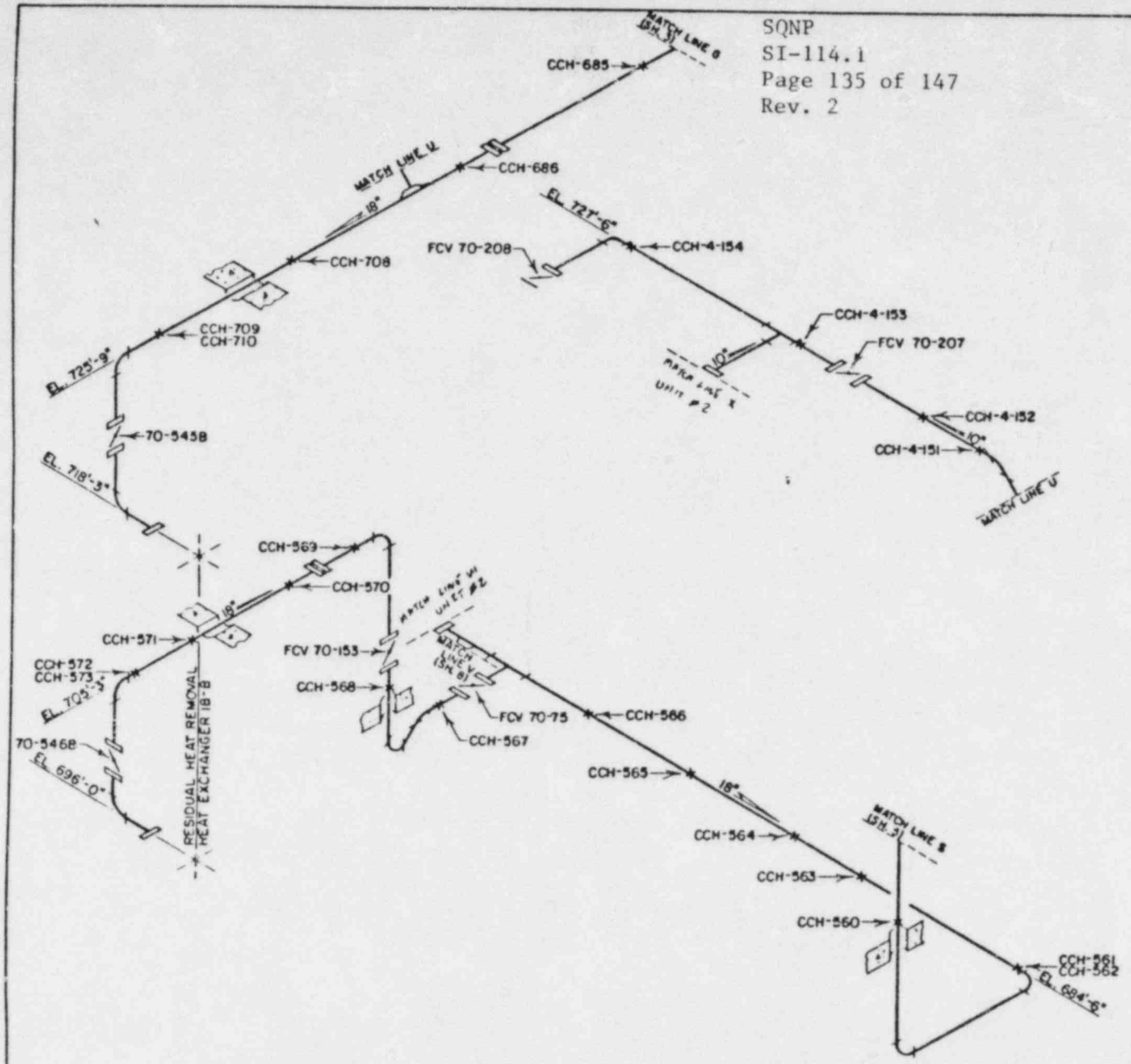
SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

SI-0126-C

40

REFERENCE DRAWINGS
47K464-54
47K464-53
47K464-54

TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

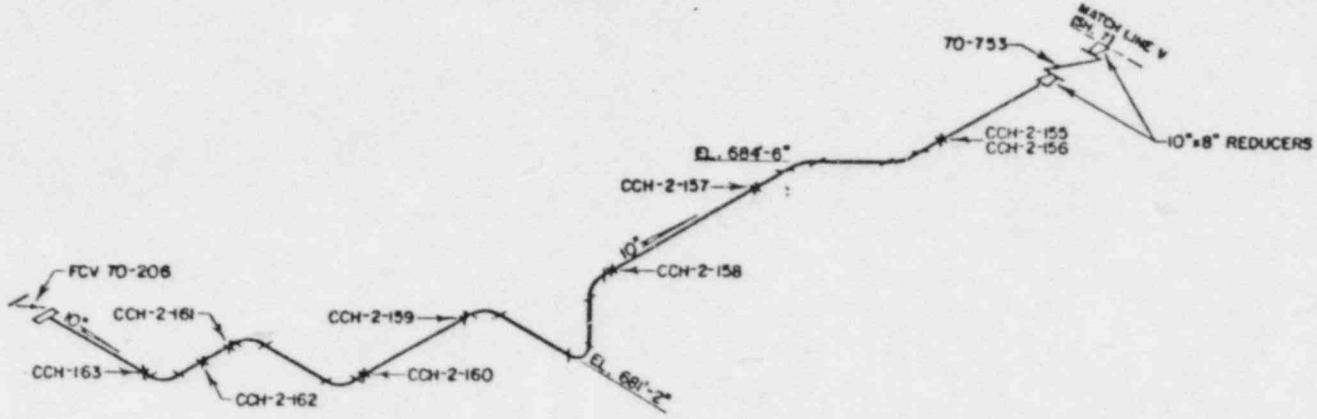
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

DRAWN			1-25-83
TRACED			
DESIGNED			
CHECKED			
APPROVED			

SI-0126-C

REFERENCE DRAWINGS
47K464-95
TVA SAFETY CLASS C



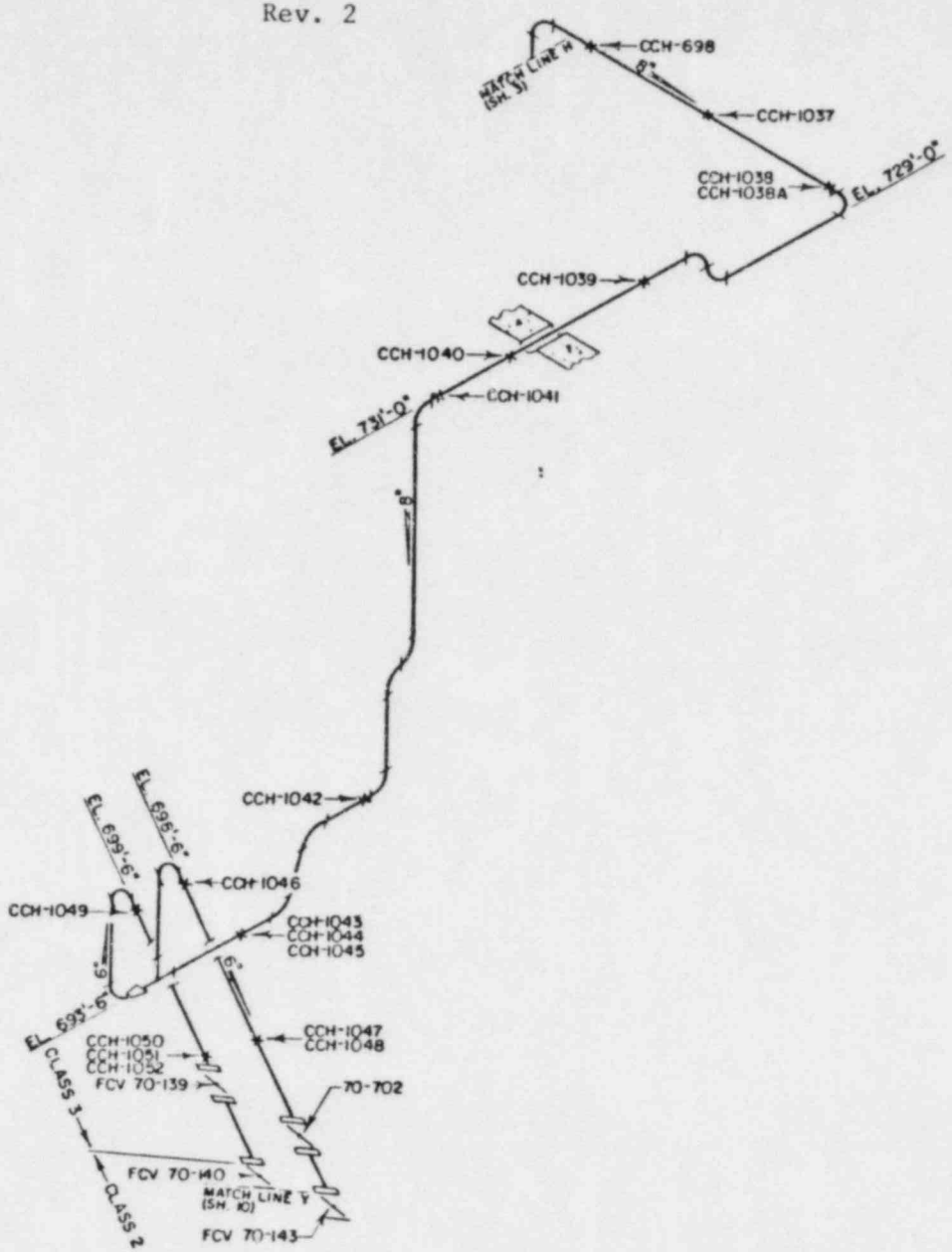
NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

DESIGNED	DRAWN	TRACED	DATE 2-25-83
			ISI-0126-C

REFERENCE DRAWINGS
47K464-35
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

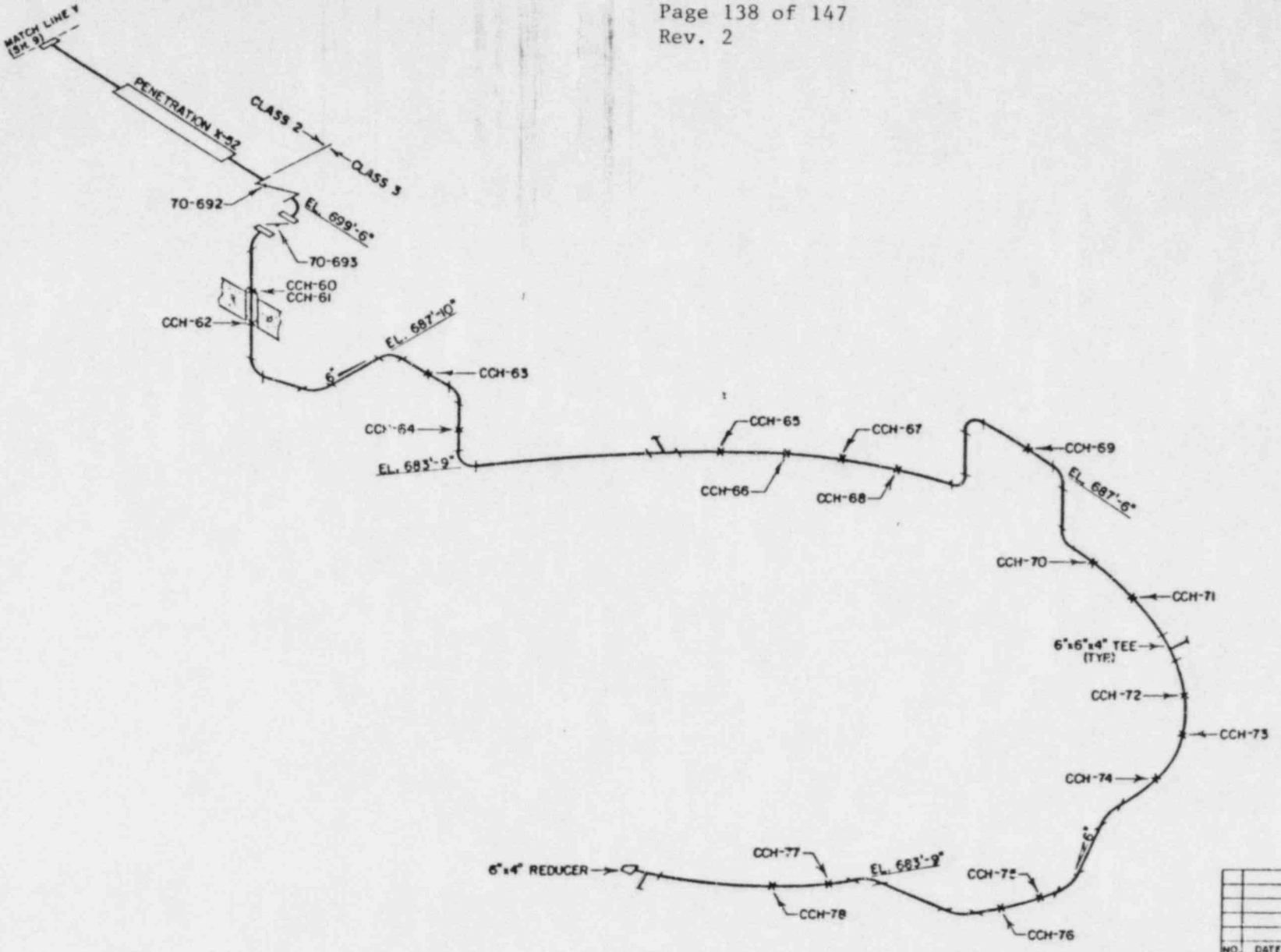
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

DRAWN	CHECKED	ENGR	11-25-85
			SI-0126-C

RD

REFERENCE DRAWINGS
47K464-112
TVA SAFETY CLASS C



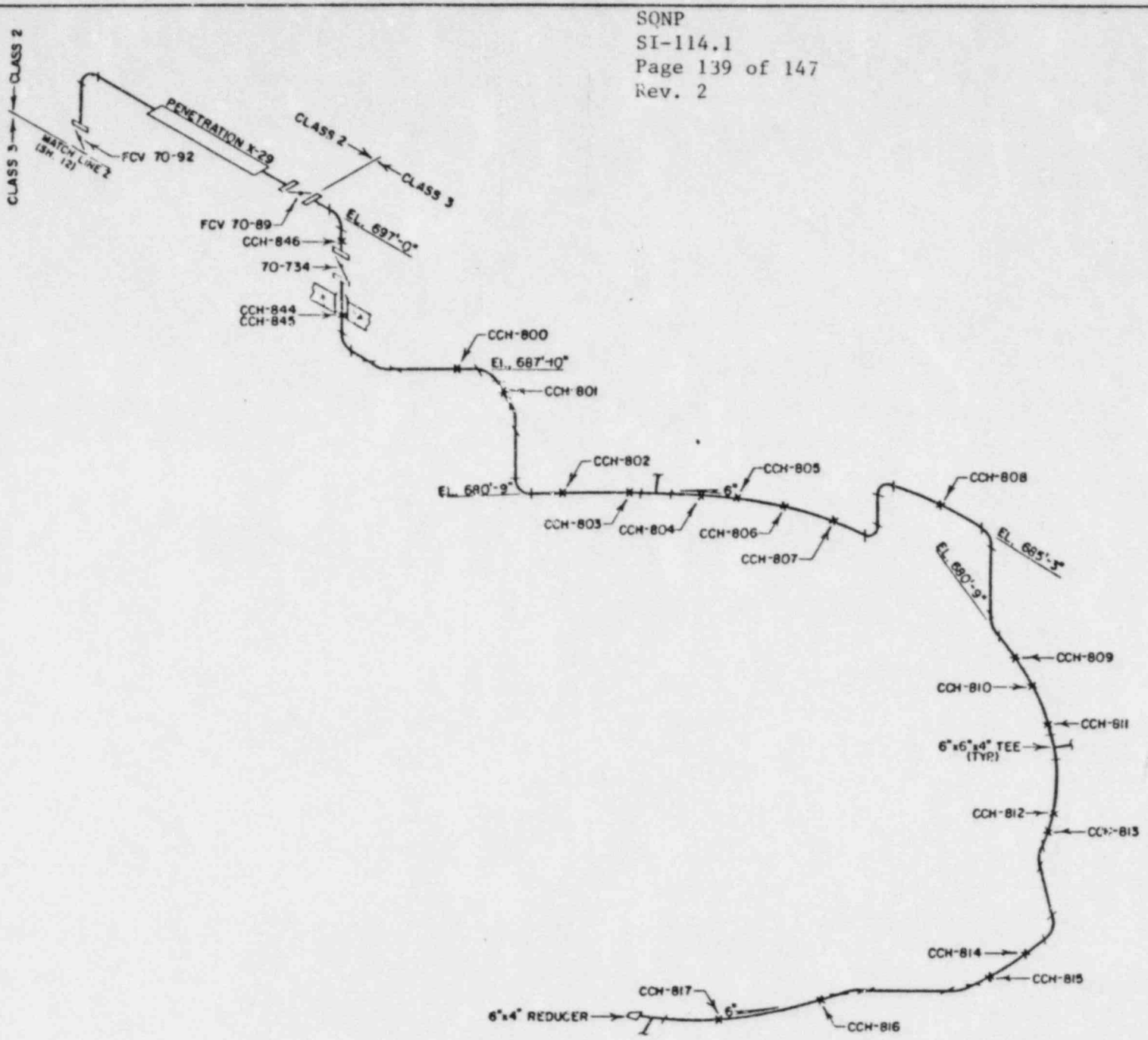
NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

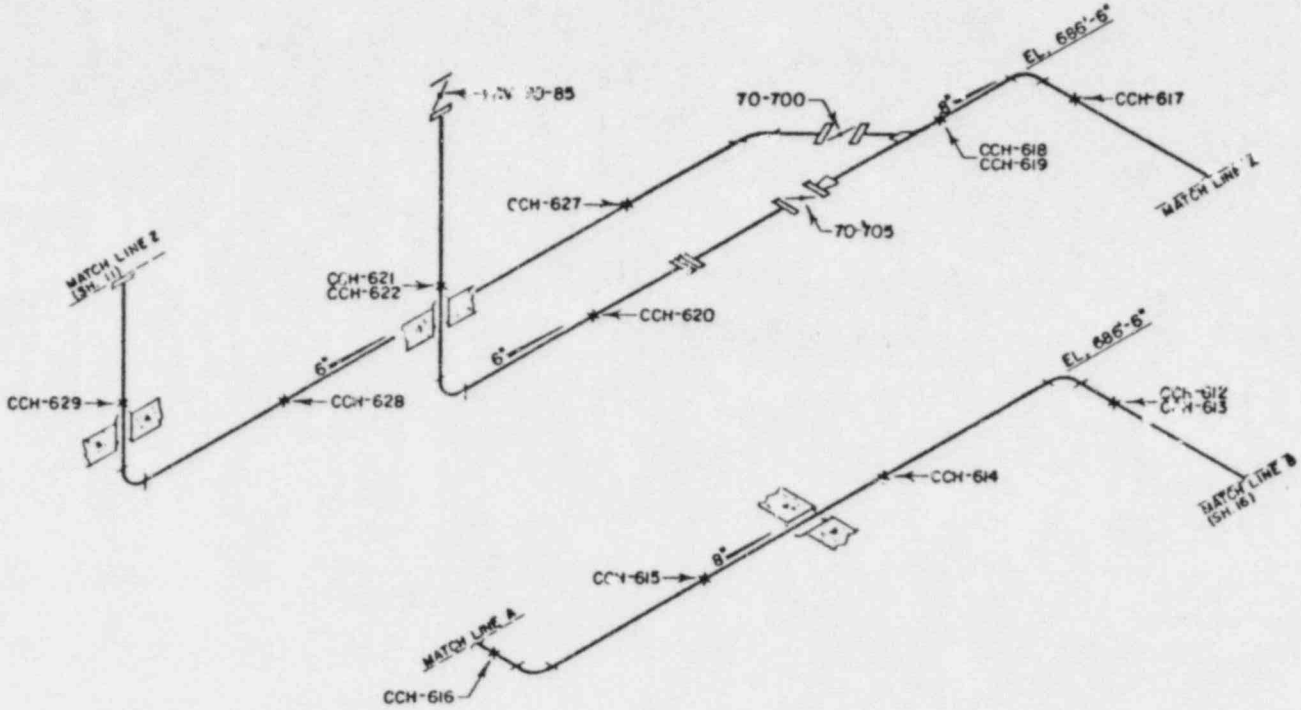
SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

NTS	EDC		1-28-81
			ISI-0126-C

80


REFERENCE DRAWINGS
47K464-102
TVA SAFETY CLASS C
CLASS 2
CLASS 3
MATCH LINE 2 (SH. 12)
FCV 70-92
PENETRATION X-29
CLASS 2
CLASS 3
FCV 70-89
EL. 697'-0"
CCH-846
70-734
CCH-844
CCH-845
CCH-800
EL. 687'-10"
CCH-801
CCH-802
EL. 680'-9"
CCH-803
CCH-804
6"
CCH-805
CCH-806
CCH-807
CCH-808
EL. 685'-3"
EL. 680'-9"
CCH-809
CCH-810
CCH-811
6"x6"x4" TEE (TYP.)
CCH-812
CCH-813
CCH-814
CCH-815
CCH-816
CCH-817
6"
6"x4" REDUCER
NO. DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS
25-83
SI-0126-C

REFERENCE DRAWINGS
47K464-68
TVA SAFETY CLASS C



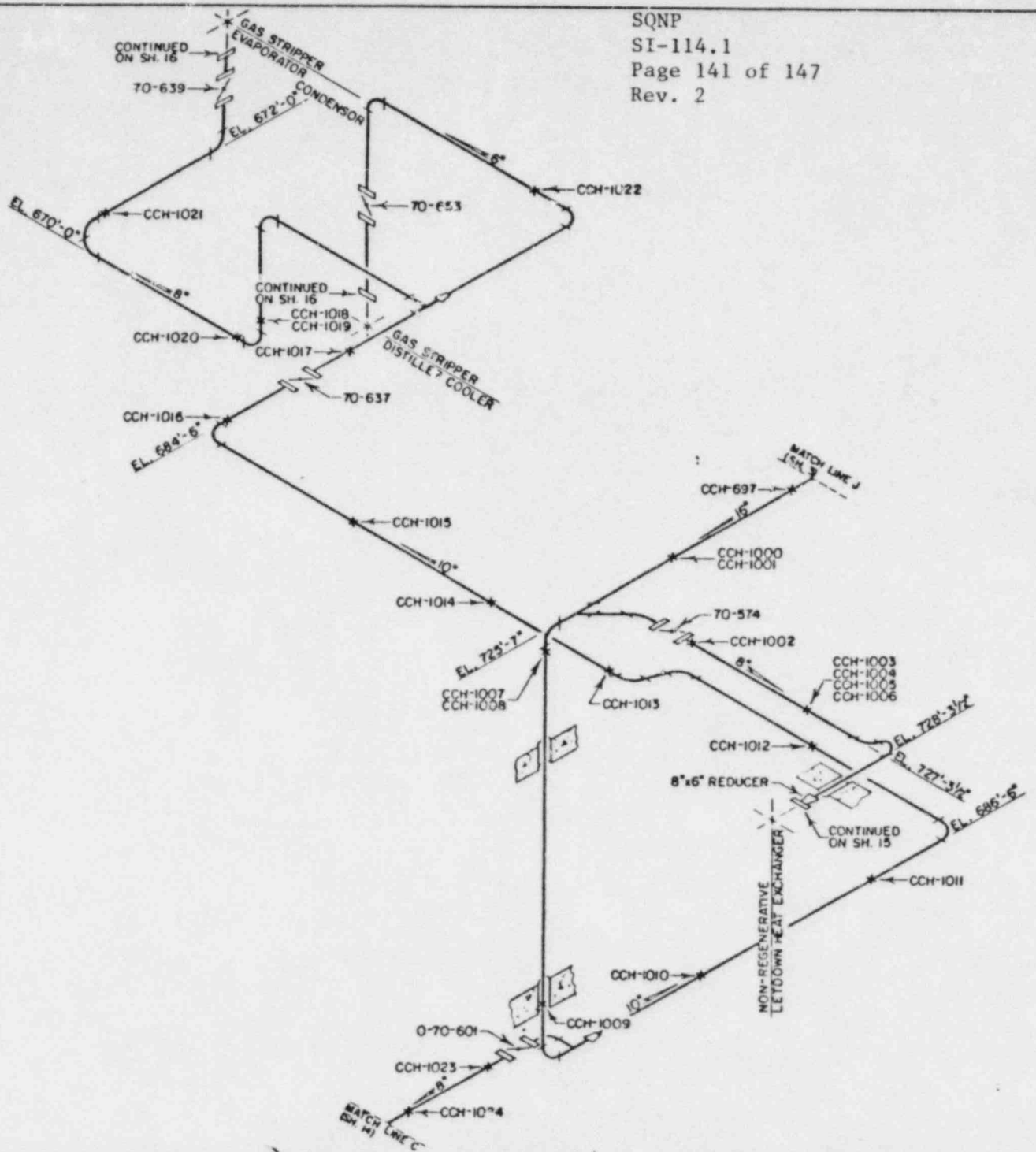
NO.	DATE	REVISIONS	CK'D APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

NTS			11-2A-83
	SDC		SI-0126-C

REFERENCE DRAWINGS
47K464-57
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

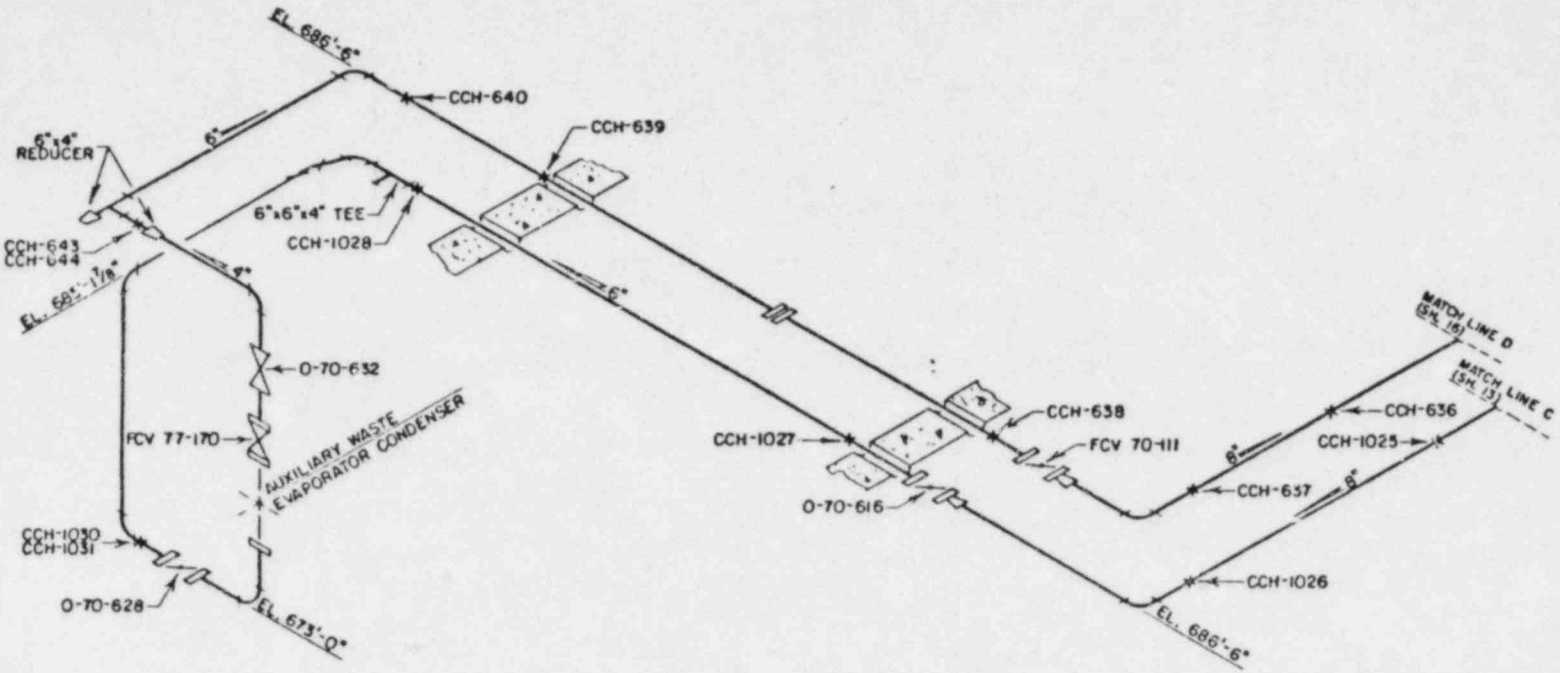
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

			12-82
			ISI-0126-C

R0

REFERENCE DRAWINGS
47K464-59
47K464-70
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

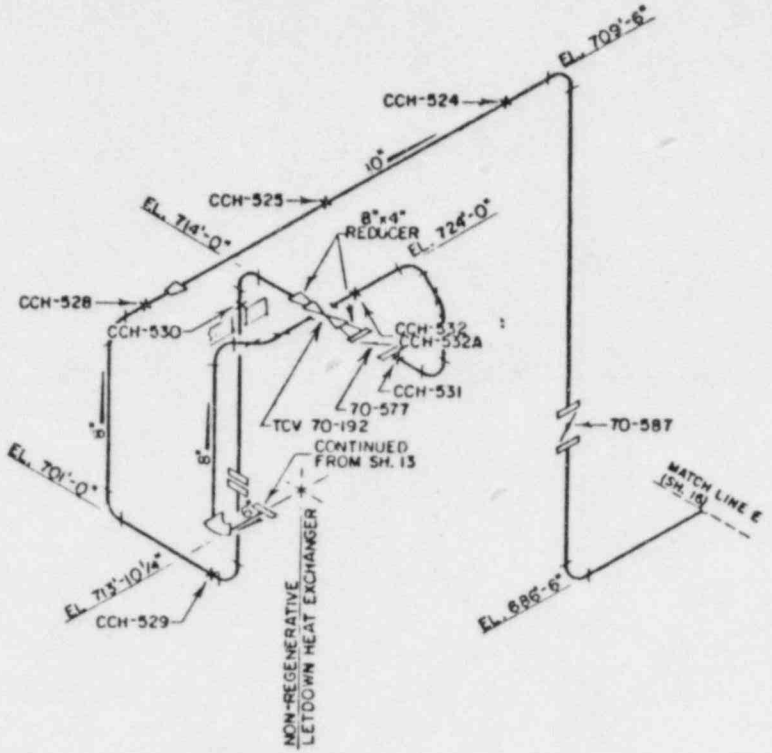
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

ISI-0126-C R0

-1918-

REFERENCE DRAWINGS
47K464-72
TVA SAFETY CLASS C



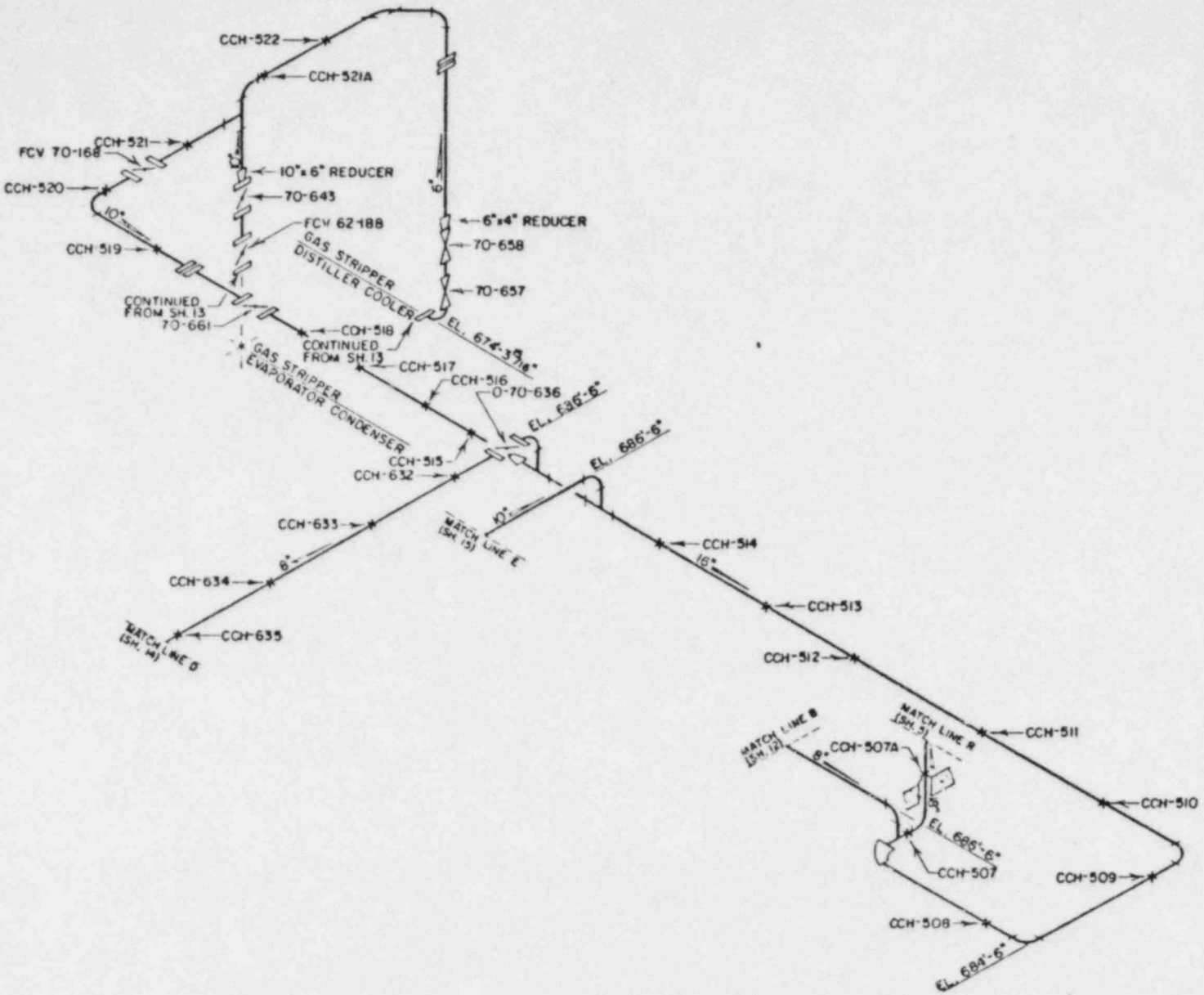
NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

ISI-0126-C

REFERENCE DRAWINGS
47K464-64
47K464-70
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D/APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
HANGER LOCATIONS

DESIGN ENG			1-10-83
DRAWN			
CHECKED			ISI-0126-C

R0

REFERENCE DRAWINGS
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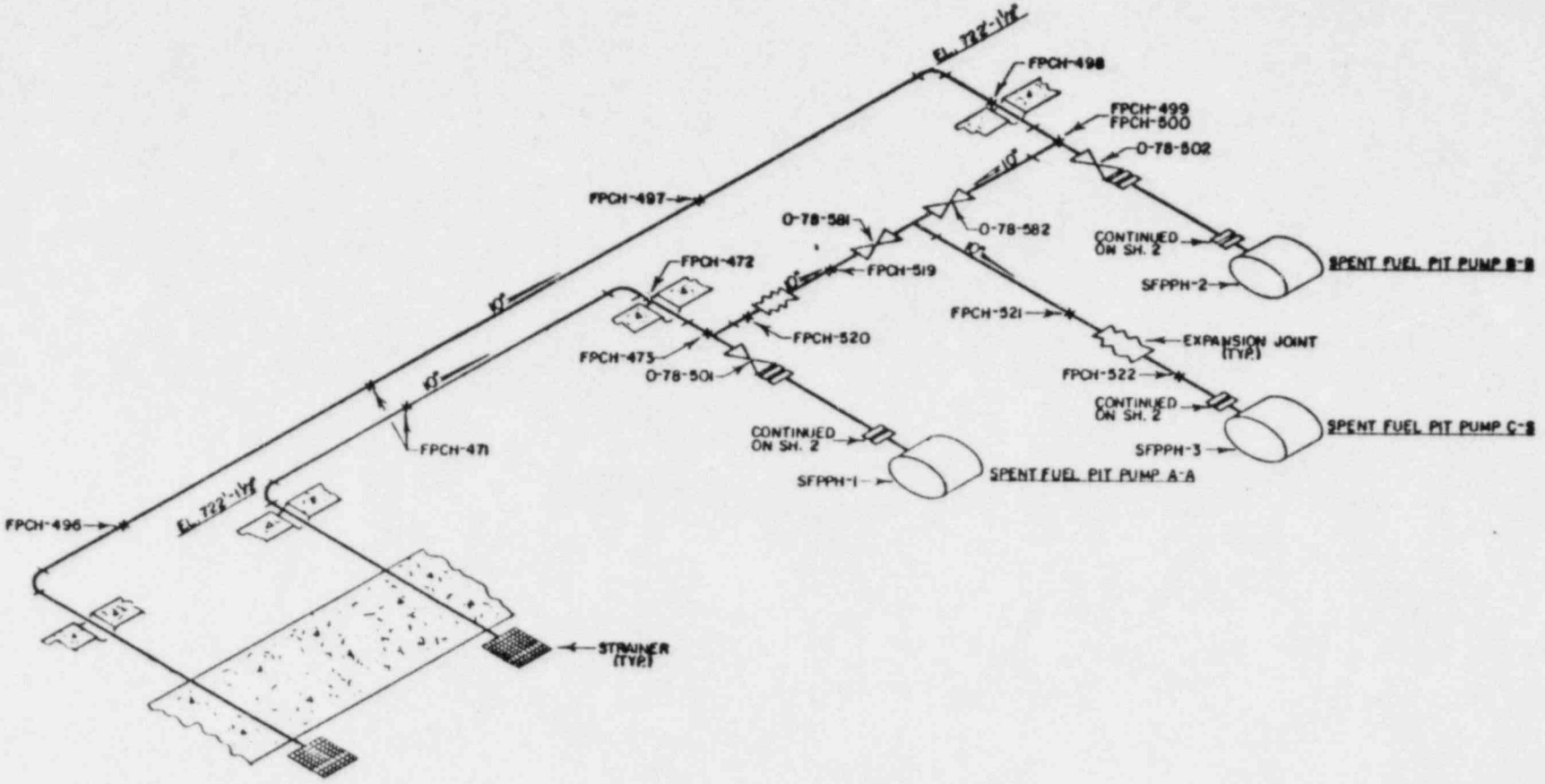
TVA SAFETY CLASS C



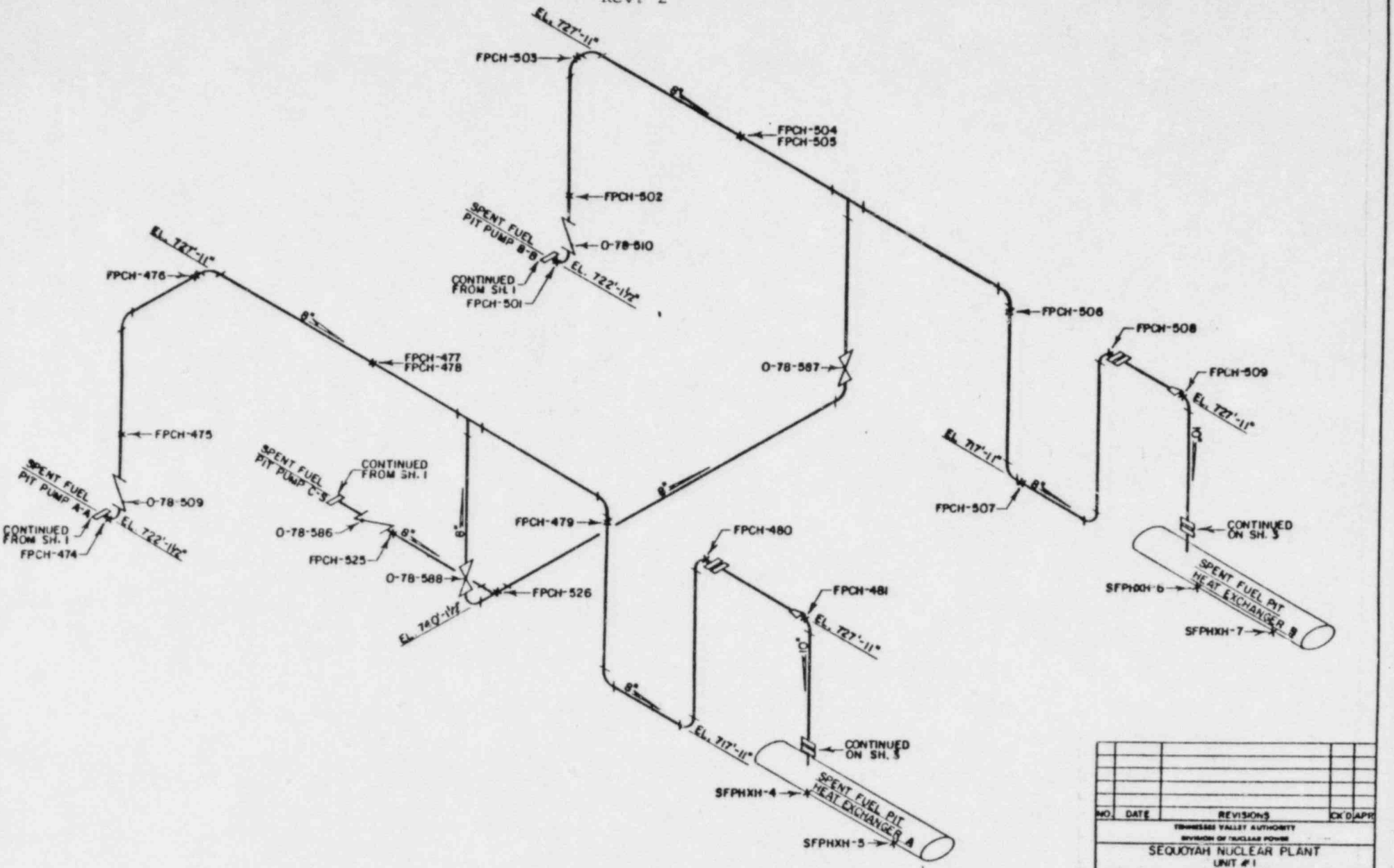
NO.	DATE	REVISIONS	CK'D/APP'D

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
FUEL POOL COOLING AND CLEANING SYSTEM
SUPPORT LOCATIONS

DESIGN N/S	SUBMITTED	APPROVED	DATE 11-30-83
DRAWN			SHEET 1 OF 3 SHEETS
TRACED			ISI-0127-C
CHECKED			

REFERENCE DRAWINGS
47K454-50
47K454-51
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
FUEL POOL COOLING AND CLEANING SYSTEM
SUPPORT LOCATIONS

1SI-0127-C

REFERENCE DRAWINGS
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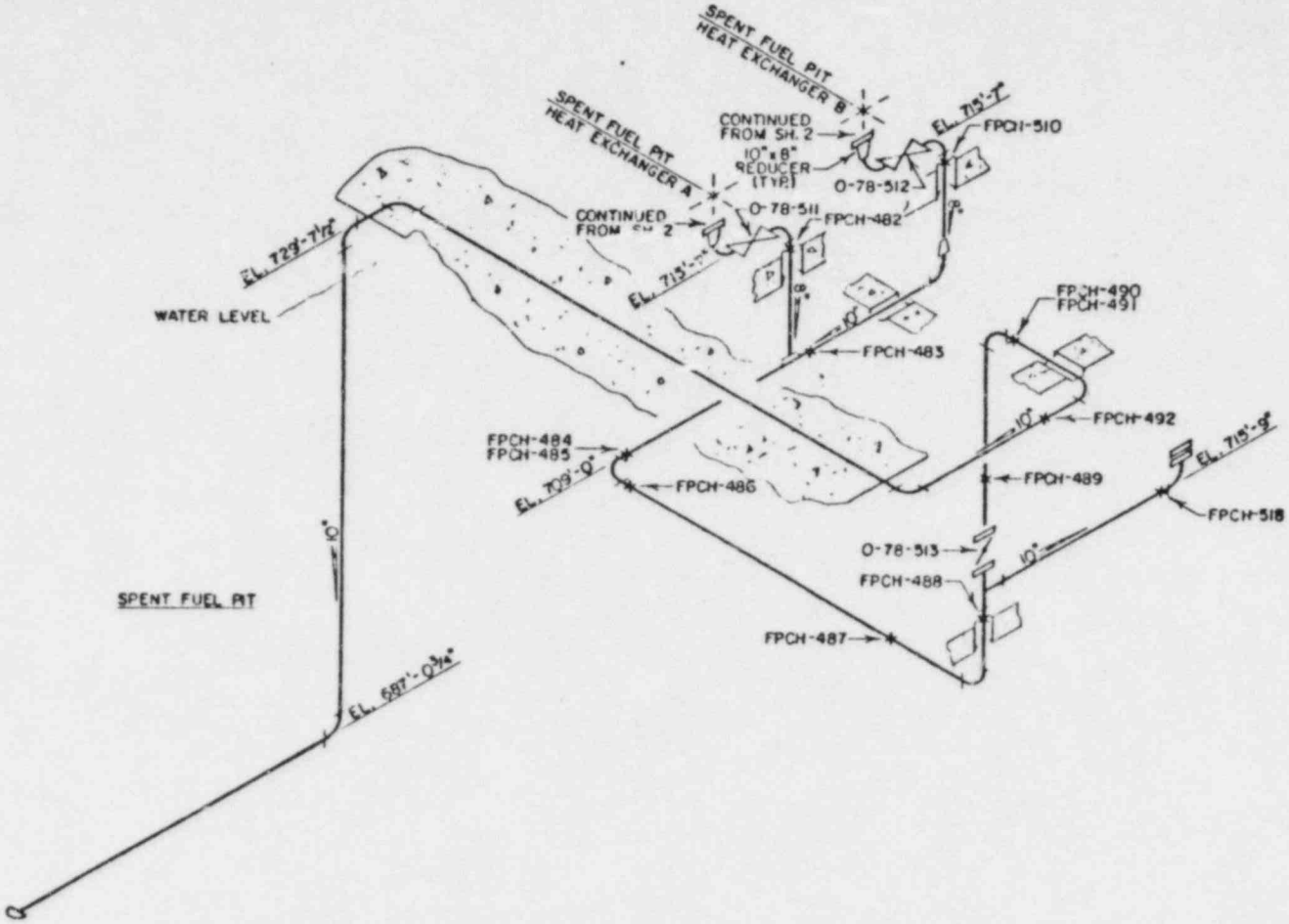
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

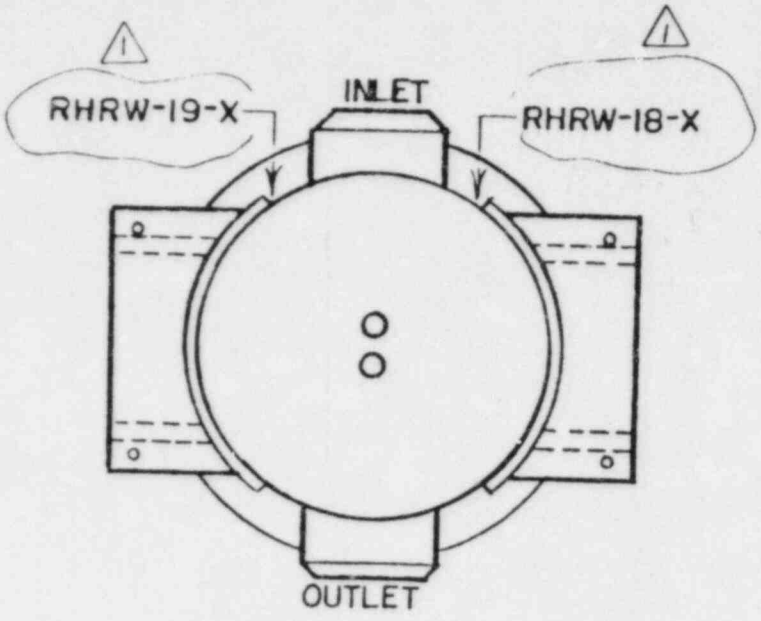
SEQUOYAH NUCLEAR PLANT
UNIT #1
FUEL POOL COOLING AND CLEANING SYSTEM
HANGER LOCATIONS

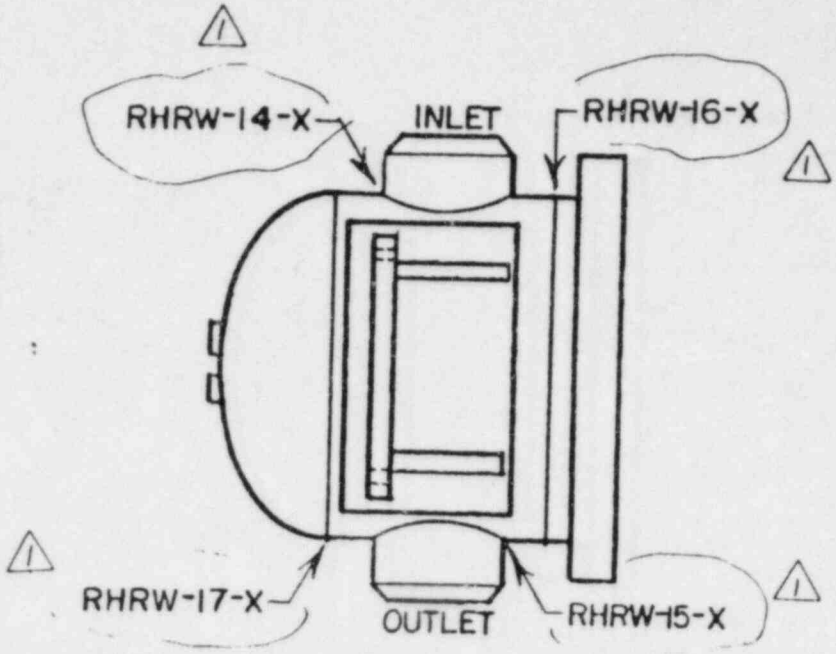
1SI-0127-C

RO

NOTES

1. REPLACE THE X IN THE WELD NUMBER WITH THE APPROPRIATE HEAT EXCHANGER NUMBER.





NO.	DATE	REVISIONS	CK'D	APP.
1	1-9-84	REVISE WELD NOS. & ADD NOTES KEV	EDC	GJB

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1 & #2
RESIDUAL HEAT REMOVAL HEAT EXCHANGER
CHANNEL WELDS

SCALE: NTS	SUBMITTED EDC	APPROVED GJB	DATE 4/19/77
DRAWN			SHEET 1 OF 1 SHEETS
TRACED KEV			CHM-2404-A R1
CHECKED EDC			

REVISION 3

The ISI Report shall have a cover sheet providing the following information:

(1) Date of document completion.

(2) Name and address of owner.

(3) Name and address generating plant.

(4) Name or number assigned to the nuclear power unit by TVA.

(5) Commercial operation date for unit.

All reports shall provide the following information as a minimum.

(a.) Numbers assigned to the components by the state.

(b.) National Board Number assigned to the components by the manufacturer.

(c.) Names of the components and descriptions including size, capacity, material, location, and drawings to aid identification.

(d.) Name and address of principal manufacturer (e.g., Westinghouse, GE, etc.) and the principal contract number which will identify the subcontractors.

(e.) Manufacturer's component identification numbers.

(f.) Date of completion of the examination, (test, replacement, or repair).

(g.) Name of ANII who witnessed or otherwise verified the examinations, (tests, replacements, or repairs), and his employer and business address, when required.

(h.) Abstract of examinations, (tests, replacements, or repairs performed); conditions recorded; and corrective measures recommended or taken.

(i.) Signature of ANII, when required.

(j.) Owner's Data Report for inservice inspection, Form NIS-1, as shown in Appendix II of ASME Section XI.

(k.) Completed examination reports.

(l.) Completed calibration reports.

(m.) List of component drawings.

(n.) List of TVA NDE personnel and/or copies of contractor personnel certifications.

(o.) List of TVA NDE equipment and/or copies of contractors equipment certifications.

(p.) List of TVA NDE procedures used and/or copies if contractor NDE procedures.

The NDE Section shall submit the inservice examination report to the plant manager for retention as a quality assurance record in accordance with N-OQAM, Part III, Section 4.1. The NDE Section shall maintain a copy of the report for information, and shall submit applicable summaries of the report with a cover sheet as described above to the NRC via the Manager, Nuclear Licensing Branch, Office of Power.

16.3 Records for Classes A, B, C, and D Components

The following records shall be available for review:

(1) Examination Plans

(2) Examination Results and Reports

(3) Examination Methods and Procedures

(4) Evaluation of Results

(5) Corrective Actions and Repairs

16.4 Records of System Pressure Tests

Records of the visual examinations conducted during system leakage or hydrostatic tests shall consist of an itemization of the number and location of leaks found in a system and the corrective actions taken.

16.5 Augmented Examination Reports

Augmented examination special reports shall be submitted to the Nuclear Regulatory Commission Region II Office within the time period specified for each report. For specific details on records, reports and reporting see Section 20.0, Augmented Inspections, of this program.

17.0 NOTIFICATION OF INDICATION

Plant management shall be formally notified of the presence of unacceptable indications detected during the performance of nondestructive examinations (excluding VT-2, visual examinations performed during system pressure tests). Unacceptable indications are defined by the applicable NDE procedure. Formal notification shall consist of completing and submitting to the Plant Superintendent the "Notification of Indication" form in Appendix D of this program.

Part I of the "Notification of Indication" shall be completed and signed by the NDE Level II or III examiner detecting the indication. The NDE Section Representative of the Quality Engineering Branch shall assign a sequential number review and sign the form. If the indication is detected by an outside contractor, the contractor's field supervisor shall review and sign the form. The original shall be sent to the plant superintendent and a copy to the ISI Programs Section.

The plant manager or his assistant shall be responsible for determining which organization (Outage Modification and Major Maintenance, Plant Maintenance) shall be responsible for preparing a disposition in Part II of the form and performing the associated corrective action. If the organization assigned responsibility for disposition is unable to determine a satisfactory disposition then the form should be sent to the Mechanical Branch for disposition. The individual responsible for preparation of the disposition shall sign and date Part II of the form. The cognizant supervisor of the appropriate organization shall review and approve the disposition and sign and date Part II of the form. Copies of the form shall be distributed to the plant manager and the ISI Programs Section. The original shall be returned to the NDE Section Representative. One copy shall be filed with the examination report.

If the organization assigned responsibility for repair is within NUC PR, they shall determine if the unacceptable condition is significant and potentially reportable in accordance with the requirements of N-OQAM, Part III, Section 7.2. Dispositions to correct the condition under the plant maintenance program shall

be processed in accordance with N-OQAM, Part II, Section 2.1. Dispositions other than restoring to original requirements shall be processed as modifications in accordance with N-OQAM, Part II, Section 3.0. Repair and replacement, activities, including coordination with the Authorized Inspection Agency (AIA), shall be performed in accordance with the requirements of N-OQAM, Part II, Section 2.3. Dispositions to accept the condition as-is shall include in Part II of the form the basis for the disposition. In addition for dispositions to accept the condition as-is, a USQD shall be prepared by the appropriate organization in accordance with established procedures. The organization responsible for corrective action shall include preservice examination requirements in the repair or replacement work instruction described in N-OQAM, Part II, Section 2.3.

Upon completion of corrective action the NDE Section Representative shall verify completion of corrective action, enter the work instruction and/or DCR numbers on the Notification of Indication form, enter the examination report number if re-examination was performed, and sign and date the form, Part III. The signed form shall remain with the examination report for use as a quality assurance record. If re-examination was performed, a copy of the signed form shall also remain with the re-examination report. Copies of the form shall also be distributed to those listed in the second paragraph above.

18.0 CALIBRATION BLOCKS

Calibration blocks will be used for ultrasonic examinations (a calibration tube will be used for eddy current examination of steam generator tubing). The blocks will be fabricated to the general requirements of ASME Section V and ASME Section XI. The blocks shall be fabricated of the material to be examined or equivalent P numbers. Mill test reports shall be obtained and retained by the Quality Engineering Branch for all calibration blocks. The blocks shall employ drilled holes and/or notches for calibration reflectors (See Request for Relief ISI-2).

The NDE Section shall maintain as-built calibration block drawings. Copies of the original drawings and any revisions shall be submitted to the ISI Programs Section. The calibration blocks shall be stored at the plant site and maintained by the plant QA organization.

19.0 REQUESTS FOR RELIEF

Where TVA has determined that certain code requirements or examinations are impractical, TVA will submit written requests for relief to NRC with information to support the determinations and any proposed alternate examinations. The impractical code requirements or examinations shall be identified in this program, and references to particular requests for relief shall be included.

When impractical examination requirements are identified in the field, the NDE Section shall notify the ISI Programs Section such that the information may be included in this program and requests for relief may be prepared if necessary.

The Requests for Relief are listed in Appendix E.

20.0 AUGMENTED INSPECTIONS

Augmented inspections are performed in addition to ASME Section XI code requirements. The augmented inspections may be required by the NRC or self-imposed by TVA.

20.1 Feedwater System Piping and Supports

In order to satisfy the requirements of NRC-IE Bulletin 79-13, the following augmented examinations shall be performed.

The augmented examination of the feedwater nozzle-to-pipe welds (includes nozzle-to-transition piece welds and transition piece-to-pipe welds) and of adjacent pipe and nozzle areas are included in DPM No. SEQ80M7. The requirements are a radiographic examination supplemented by ultrasonic examination on completion of the hot functional testing and before fuel loading. During the first refueling outage, perform a volumetric examination of the feedwater nozzle-to-pipe welds, the feedwater piping welds to the first support, the feedwater line-to-containment penetration welds and an area of at least one pipe diameter of the main feedwater line downstream at the auxiliary feedwater to main feedwater connection. Also perform a visual inspection of all feedwater system piping supports and snubbers in containment to verify operability and conformance to design.

In the event cracking is identified during examination of the nozzle-to-pipe welds, all feedwater lines up to the first piping support or snubber outboard of the nozzle shall be volumetrically examined as stated in the first paragraph. All unacceptable code discontinuities shall be subject to repair unless justification for continued operation is provided.

Any cracking or other unacceptable code discontinuities identified shall be reported to the Director of the NRC Regional Office within 24 hours of identification. Plant management shall report this information to the Nuclear Regulatory Commission Region II Office per Plant Instruction AI-18. A written report of the results of examination shall be submitted by the QEB NDE Section within 30 days of completion of the examination. Refer to DPM No. SEQ80M7 for information to be included in this special report.

The requirements of NRC-IE Bulletin 79-13 were satisfied during the unit 1, cycle 1 outage. This information has been retained as historical information and is no longer applicable to Sequoyah Nuclear Plant, unit 1.

20.2 RPV Nozzle Safe Ends

The augmented examination requirements of the RPV nozzle-to-safe end welds are included in the final report - Sequoyah Nuclear Plant - Evaluation of cracking in reactor vessel nozzle stainless steel buttering. The examinations for unit 1 will be monitored at the normal inservice inspection intervals for dissimilar metal welds as required by Section XI of the ASME Code. This augmented examination does not require a special report. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.3 Reactor Coolant Pump Flywheel

The augmented examination requirements of the reactor coolant pump flywheel are included in Regulatory Position C.4.b of Regulatory Guide 1.14; (1) an inplace ultrasonic examination of the areas of higher stress concentration at the bore and keyway at approximately three-year intervals during the refueling or maintenance shutdown coinciding with the inservice inspection schedule as required by Section XI of the ASME Code, and (2) a surface examination of all exposed surfaces and complete ultrasonic examination at approximately 10-year intervals during the plant shutdown coinciding with the inservice inspection schedule as required by Section XI of the ASME Code.

This augmented examination does not require a special report unless the examination reveals a flaw. If the examination and evaluation indicate an increase in flaw size or growth rate greater than predicted for the service life of the flywheel, the results of the examination and evaluation should be submitted to the NRC for evaluation. Refer to Regulatory Guide 1.14 for information to be included. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.4 Pressurizer Relief Line

The augmented examination requirements of the pressurizer relief line are included in the Technical Specifications 4.0.5 and 4.4.3.2.4. The pressurizer relief line and repair welds shall be examined using improved ultrasonic detection and evaluation procedures prior to entering Mode 4 whenever the plant has been in cold shutdown for 72 hours or more if the examination has not been performed in the previous six months.

In the event these six-month period examinations find the piping free of unacceptable indications for three successive inspections, the inspection interval shall be extended to 36 month intervals (±12 months to coincide with a scheduled refueling outage). The report shall be submitted with the Final Inservice Inspection Report.

20.5 Steam Generator Tubing

The augmented examination requirements of the steam generator tubing are included in Technical Specifications 4.0.5, 4.4.5.0 and section 7.3.8 of this program. Following each inservice inspection of steam generator tubes, the number of tubes plugged in each steam generator shall be reported to the NRC within 15 days.

Plant management shall report this information to the Nuclear Regulatory Commission Region II Office within the time period specified. See Plant Instruction AI-18 for reporting instructions.

The complete results of the steam generator tube inservice inspection shall be submitted to the Nuclear Regulatory Commission in a special report pursuant to Technical Specification 6.9.2 within 12 months following completion of the inspection. The Chemical, Metallurgy, and Standards

Group Staff Specialist shall prepare this special report and submit the report of the Nuclear Regulatory Commission Region II Office within the stated time period. This special report shall include:

1. Number and extent of tubes inspected.

2. Location and percent of wall-thickness penetration for each indication of an imperfection.

3. Identification of tubes plugged.

Results of steam generator tube inspections which fall into Technical Specification Category C-3 require prompt notification of the Nuclear Regulatory Commission pursuant to Technical Specification 6.9.1 prior to resumption of plant operation.

The written followup of this report shall provide a description of investigations conducted to determine cause of the tube degradation and corrective measures to prevent recurrence.

Refer to Technical Specifications 4.0.5 and 4.4.5.0 and section 7.3.8 of this program for information to be included.

20.6 RPV Nozzle Cladding

All vessel nozzles cladding shall be ultrasonically examined at the end of each 10-year inspection interval, using techniques at least as sensitive as those used to conduct the supplemental examinations performed prior to fuel loading. The results of this examination shall be reported to NRC. This examination is done in accordance with Sequoyah technical specifications and satisfies Surveillance Requirement 4.4.10. This augmented examination does not require a special report. This examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

Nozzle forging material and cladding is identified in section 7.1.2 of this program.

20.7 RPV Closure Head Circumferential Weld (W09-10)

See subsection 7.1.1.3 of this program for augmented examination requirements. This augmented examination does not require a special report. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

21.0 REFERENCES

21.1 ASME Boiler and Pressure Vessel Code - Section XI 1974 Edition Summer 1975 addenda, Summer 1976 addenda; 1977 Edition, Summer 1978 addenda.

21.2 ASME Boiler and Pressure Vessel Code - Section V.

21.3 Instruction Manual - 173-inch I.D. Reactor Pressure Vessel - Rotterdam Dockyard Company, Contract No. 68C60-91934, N2M-2-3.

21.4 Sequoyah Nuclear Plant Standard Practice SQA41.

21.5 Sequoyah Nuclear Plant Final Safety Analysis Report.

21.6 Westinghouse Technical Manual - Pressurizer, TM 1440-C225, Contract No. 68C60-91934, N2M-2-6.

21.7 Westinghouse Technical Manual - Vertical Steam Generators, TM 1440-C224, Contract No. 68C31-91934, N2M-2-4.

21.8 Westinghouse Instruction Manual - Auxiliary Heat Exchangers, Contract No. 68C60-91934, N2M-2-25.

21.9 Westinghouse Instruction Book - Reactor Coolant Pump, Contract No. 68C60-91934, N2M-2-5.

21.10 Ingersoll-Rand Instruction Manual - Residual Heat Removal Pumps, Contract No. 68C60-91934, N2M-2-30.

21.11 Sequoyah Nuclear Plant Operational Quality Assurance Manual, Part II, Sections 2.3, 3.0, 5.1, and 6.3.

21.12 Sequoyah Nuclear Plant Technical Instruction TI-51.

21.13 Sequoyah Nuclear Plant Technical Specifications Unit 1.

21.14 Division Procedure Manual: N75C01, N76A10, N80E3, N83A3, SEQ80M7, SEQ82E1, and SQ82M1.

REVISION 4

PUNCHLIST

Reactor Vessel Repair Welds Beltline Region
Class B Systems Functional Leakage SI's

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8.10.1.2 RHRP Support Components

Each RHRP includes three support components bolted to the pump feet which are integrally forged with the pump. All component supports from each pump shall be visually examined during the inspection interval in accordance with visual examination method VT-3 (see Section 11.1). Support components extend from the RHRP to and including the attachment to the supporting structure.

Two of the supports from one RHRP shall be examined during the first inspection period. The final (3rd) support from the same RHRP shall be examined during the second inspection period. All of the supports from the remaining RHRP shall be examined during the third inspection period.

8.10.1.3 RHRP Supports - Mechanical and Hydraulic

There are no mechanical and hydraulic supports associated with the RHRP.

8.10.1.4 RHRP Pressure Retaining Bolting

The stuffing box extension to pump casing connection bolting is not greater than two inches in diameter.

The connection includes 24 studs at 1-1/4 inches in diameter with nuts and washers. The studs are fabricated to SA-193, GR. B7, and the nuts to SA-194, GR. 2H.

8.10.1.5 RHRP Casing Welds

The RHRP does not include any casing welds. The casing is a one piece forging fabricated to SA-182 F304.

*8.10.2 CVCS Centrifugal Charging Pumps (2) CCP

8.10.2.1 CCP Integrally-Welded Supports

Each CCP includes 4 integrally-welded pump feet. These integrally-welded pump feet whose design base is $\geq$3/4 of an inch shall be surface examined during the inspection interval in accordance with Table B of Appendix A.

*Revision

8.10.2.2 CCP Component Supports

Each CCP includes 4 integrally-welded feet bolted to the support system. All component supports from each pump shall be visually examined during the inspection interval in accordance with visual examination method VT-3 (see section 11.1). The examinations shall be distributed during the inspection interval in accordance with Table B of Appendix A. Support components extend from the CCP to and including the attachment to the supporting structure.

8.10.2.3 CCP Supports - Mechanical and Hydraulic

There are no mechanical and hydraulic supports associated with the CCP.

8.10.2.4 CCP Pressure Retaining Bolting

The CCP case head studs are not greater than 2 inches in diameter. The connection includes 16 studs at 1-3/4 inches in diameter with nuts and washers. The studs are fabricated to SA-193, GRB7, nuts to SA-194 GR2H and washers to SA-322, GR4140.

8.10.2.5 CCP Casing Welds

Each CCP casing includes a pressure retaining casing weld. The carbon steel casing is a barrel-type forging fabricated to SA-266, T CL 1 and cladded with SS 18-8. The casing weld shall be surface examined during the inspection interval in accordance with Table B of Appendix A.

*8.10.3 Safety Injection Pumps (2) SIP

8.10.3.1 STP Integrally-Welded Supports

There are no integrally-welded supports associated with the SIP.

8.10.3.2 SIP Component Supports

Each SIP includes a support component bolted to the pump casing. All component supports from each pump shall be visually examined during the inspection interval in accordance with visual examination method VT-3 (see Section 11.1). The examinations shall

*Revision

be distributed during the inspection interval in accordance with Table B of Appendix A. Support components extend from the SIP to and including the attachment to the supporting structure.

8.10.3.3 SIP Supports - Mechanical and Hydraulic

There are no mechanical and hydraulic supports associated with the SIP.

8.10.3.4 SIP Pressure Retaining Bolting

The SIP case capnuts are not greater than 2 inches in diameter. The casing bolting includes 32 studs at 2 inches in diameter with nuts and washers and 10 studs at 1-1/2 inches in diameter with nuts and washers. The studs are fabricated to SA-193, GRB7 and the nuts to SA-194, GR7.

8.10.3.5 SIP Casing Welds

The SIP casing does not include any casing welds. The casing consists of an upper and lower housing fabricated to A351 CF8.

8.11 Valves

8.11.1 Valve Integrally-Welded Supports

Examination of valve integrally-welded support members is included in Section 8.9.1.

8.11.2 Valve Component Supports

Examination of valve component supports is included in Section 8.9.2.

8.11.3 Valve Pressure-Retaining Bolting

There is no Class B pressure-retaining bolting greater than 2 inches in diameter.

8.11.4 Valve Body Welds

There are no Class B valves with body welds.

8.12 Pressure Retaining Components

All Class B pressure retaining components in systems or portions of systems which are not required to operate during normal reactor operation but for which periodic system or component functional tests are required (excluding open ended portions of systems), shall be subjected to a system functional leakage test with each inspection period in accordance with IWC-5221 of ASME Section XI. This is performed in accordance with SI's to be developed later. Those Class B pressure retaining components in systems or portions of systems not subject to the functional leakage tests (excluding open-ended portions of systems), shall be subjected to a system hydrostatic test with each inspection interval in accordance with IWC-5222 of ASME Section XI. This is performed in accordance with SI-265.3. The components shall be visually examined during the pressure tests in accordance with visual examination method VT-2 (see Section 11.1).

8.13 Exempted Components

8.13.1 Exempted Components (Except Piping Welds)

Components exempted from examination include: (1) Components in systems where both the design pressure and temperature are equal to or less than 275 psig and 200°F, respectively; (2) components in systems or portions of systems, other than emergency core cooling systems, which do not function during normal reactor operation; (3) components which perform an emergency core cooling function for which the control of the chemistry of the contained fluid is verified by periodic sampling and test, and (4) component connections, piping, and associated valves, and vessels (and their supports), that are 4-inch nominal pipe size and smaller.

8.13.2 Exempted Components (Piping Welds Only)

Piping exempted from examination include: (a) Piping systems where both the design pressure and temperature are equal to or less than 275 psig and 200°F, respectively; (b) piping systems or portions of systems other than emergency core cooling systems which do not function during normal reactor operation; (c) piping that is 4-inch nominal pipe size and smaller; (d) components which perform an emergency core cooling function provided the control of the chemistry of the contained fluid is verified by periodic sampling and test.

9.0 COMPONENTS SUBJECT TO EXAMINATION - TVA SAFETY CLASSES C AND D

Classes C and D (ASME Class 3) pressure retaining components identified in sections 9.1.1 and 9.1.2 shall be visually examined, VT-2, in conjunction with the system pressure test in accordance with IWA-5000, IWD-2000, and IWD-5000.

The component supports and restraints within the boundaries identified in sections 9.1.1 and 9.1.2 for components exceeding 4-inch nominal pipe size shall be visually examined, VT-3, during each inspection period.

Mechanical and hydraulic snubbers, spring loaded and constant weight supports within the boundaries identified in sections 9.1.1 and 9.1.2 for components exceeding 4-inch nominal pipe size shall be visually examined, VT-4 during each inspection period.

9.0.1 Piping and Valve Component Supports

All piping and valve component supports shall be visually examined during each inspection period in accordance with visual examination methods VT-3 and VT-4 (see Section 11.1). This examination includes integrally-welded and nonintegrally-welded component supports. Component supports extend from the piping and valves to and including the attachment to the supporting structure. The setting of snubbers, shock absorbers and spring-type hangers shall be verified. The examinations (100%) shall be conducted during each inspection period during the inspection interval in accordance with Table C of Appendix A.

9.0.1.1 Auxiliary Feedwater System Piping and Valve Component Supports

The auxiliary feedwater system piping includes 31 component supports. All of these shall be examined during each inspection period.

9.0.1.2 Chemical and Volume Control System Piping and Valve Component Supports

The chemical and volume control system piping includes seven component supports. All of these shall be examined during each inspection period.

9.0.1.3 Component Cooling System Piping and Valve Component Supports

The component cooling system piping includes 268 component supports. All of these shall be examined during each inspection period.

9.0.1.4 Containment Spray System Piping and Valve Component Supports

The containment spray system piping includes 25 component supports. All of these shall be examined during each inspection period.

9.0.1.5 Essential Raw Cooling Water System Piping and Valve Component Supports

The essential raw cooling water system piping includes 342 component supports. All of these shall be examined during each inspection period.

9.0.1.6 Fuel Pool Cooling System Piping and Valve Component Supports

The fuel pool cooling system piping includes 47 component supports. All of these shall be examined during each inspection period.

9.0.1.7 Residual Heat Removal System Piping and Valve Component Supports

The residual heat removal system piping includes seven component supports. All of these shall be examined during each inspection period.

9.0.1.8 Safety Injection System Piping and Valve Component Supports

The safety injection system piping includes 24 component supports. All of these shall be examined during each inspection period.

9.1 System Pressure Tests

9.1.1 System Inservice Tests

Pressure retaining components within the boundary of systems or portions of systems required to operate in

support of normal plant safety functions of shutting down and maintaining the reactor in the cold shutdown condition, and pressure retaining piping, pumps, and valves within the boundary or systems or portions of systems required to operate in support of residual heat removal from spent fuel storage pool, shall be visually examined in accordance with visual examination method VT-2 (see section 11.1) while the applicable systems are in service under operating pressure in accordance with IWD-5221 of ASME Section XI.

These examinations and tests shall be performed during each inspection period.

9.1.2 System Functional Tests

Pressure retaining components within the boundary of systems or portions of systems required to operate in support of the postaccident safety functions of emergency core cooling, containment heat removal and atmospheric cleanup, and long-term residual heat removal from the reactor vessel shall be visually examined in accordance with visual examination method VT-2 (see Section 11.1) during a system functional test conducted to verify operability in systems in accordance with IWD-5222 of ASME Section XI.

9.1.3 System Hydrostatic Tests

Pressure retaining components identified in Sections 9.1.1 and 9.1.2 shall be visually examined in accordance with visual examination method VT-2 (see Section 11.1) during a system hydrostatic test conducted in accordance with IWD-5223 of ASME Section XI. These examinations and tests shall be performed over each inspection interval.

9.2 Component Supports and Restraints

Component supports and restraints within the boundaries of the systems identified in Sections 9.1.1 and 9.1.2 for components exceeding 4-inch nominal pipe size shall be visually examined each inspection period in accordance with visual examination method VT-3 (see Section 11.1).

9.3 Snubbers and Hangers

Mechanical and hydraulic snubbers, spring loaded, and constant weight support hangers for components exceeding 4-inch nominal pipe size shall be visually examined each inspection period in accordance with visual examination method VT-4 (see Section 11.1.)

10.0 AUTHORIZED INSPECTOR

TVA shall employ an Authorized Inspector(s) in accordance with ASME Section XI for inservice examinations, repairs, and replacements of TVA Class A, B, C, and D components at Sequoyah Nuclear Plant. The inspector shall verify, assure, or witness that code requirements have been met. He shall have the prerogative and authorization to require requalification of any operator or procedure when he has reason to believe the requirements are not being met. TVA shall provide access for the AI in accordance with IWA-2140 of ASME Section XI.

TVA's interface with the Authorized Inspector for inservice inspection, repairs, and replacements is defined in OQAM Part II, Section 2.3 and Part II, Section 5.1

11.0 EXAMINATION METHODS

11.1 Visual Examination

Visual examinations that require clean surfaces or decontamination for valid interpretation of results shall be preceded by appropriate cleaning processes.

11.1.1 Visual Examination VT-1

The VT-1 visual examination shall be conducted to determine the condition of the part, component, or surface examined, including such conditions as cracks, wear, corrosion, erosion, or physical damage on the surfaces of the part or components.

11.1.1.1 Direct Visual Examination VT-1

Direct VT-1 visual examination may be conducted when access is sufficient to place the eye 24 inches (610 mm) of the surface to be examined and at an angle not less than 30 degrees to the surface. Mirrors may be used to improve the angle

of vision. Lighting, natural or artificial shall be sufficient to resolve a 1/32 inch (0.8 mm) black line on an 18% neutral gray card.

11.1.1.2 Remote Visual Examination VT-1

Remote VT-1 visual examination may be substituted for direct examination. Remote examination may use aids such as telescopes, borescopes, fiber optics, cameras, or other suitable instruments provided such systems have a resolution capability at least equivalent to that attainable by direct visual examination.

11.1.2 Visual Examination VT-2

The VT-2 visual examination shall be conducted to locate evidence of leakage from pressure retaining components, or abnormal leakage from components with or without leakage collection systems as required during the conduct of system pressure or functional test.

The visual examination, VT-2; may be conducted without the removal of insulation by examining the accessible and exposed surfaces and joints of the insulation. Essentially vertical surfaces of insulation need only be examined at the lowest elevation where leakage may be detectable. Essentially horizontal surfaces of insulation shall be examined at each insulation joint.

For components whose external insulation surfaces are inaccessible for direct examination, only the examination of surrounding area, including floor areas or equipment surfaces located underneath the components, for evidence of leakage, or other areas to which such leakage may be channeled, shall be required.

Discoloration or residue on surfaces examined shall be given particular attention to detect evidence of boric acid accumulations from borated reactor coolant leakage.

The visual examination shall be conducted during the system leakage tests conducted after refueling outages and prior to startup.

VT-2 visual examination shall be conducted in accordance with ASME Section XI, IWA-5240.

11.1.3 Visual Examination VT-3

The VT-3 visual examination shall be conducted to determine the general mechanical and structural conditions of components and their supports such as the presence of loose parts, debris, or abnormal corrosion products, wear, erosion, corrosion, and the loss of integrity at bolted or welded connections.

VT-3 may require, as applicable to determine structural integrity, the measurement of clearances, detection of physical displacement, structural adequacy of supporting elements, connections between load carrying structural members, and tightness of bolting.

For component supports and component interiors, the visual examination may be performed remotely with or without optical aids to verify the structural integrity of the component.

11.1.4 Visual Examination VT-4

The VT-4 visual examination shall be conducted to determine conditions relating to the operability of components or devices such as mechanical and hydraulic snubbers, component supports, pumps, valves, and spring loaded and constant weight hangers.

VT-4 shall confirm functional adequacy, verification of the settings, or freedom of motion. This examination may require (1) disassembly of components or devices and (2) operability test.

11.2 Surface Examination

11.2.1 Magnetic Particle Examination

Magnetic particle examination (MT) shall be conducted in accordance with Article 7, Section V of the ASME Code.

11.2.2 Liquid Penetrant Examination

Liquid penetrant examination (PT) shall be conducted in accordance with Article 6, Section V of the ASME Code.

11.3 Volumetric Examination

11.3.1 Radiographic Examination

Radiographic techniques, employing penetrating radiation such as X-rays, gamma rays, or thermalized neutrons, may be utilized with appropriate image recording devices such as photographic film or papers, electrostatic systems, direct-image orthicons, or image converters. For radiographic examinations employing either X-ray equipment or radioactive isotopes and photographic films, the procedure shall be as specified in Article 2, Section V, of the ASME Code.

11.3.2 Ultrasonic Examination

(a) Ultrasonic examination of Class 1 and Class 2 vessel welds in ferritic material greater than 2 inch (51 mm) in thickness shall be conducted in accordance with Article 4 of Section V of the ASME Code.

(b) Ultrasonic examination of Class 1 and Class 2 ferritic steel piping systems shall be conducted in accordance with Appendix III, amended as follows:

(1) For examination of welds, reflectors that produce a response greater than 50% of the reference level shall be recorded.

(c) If the requirements of (a) and (b) above are not applicable, the ultrasonic examination shall be conducted in accordance with the applicable requirements of Article 5 of Section V amended as follows:

(1) For examination on welds, reflectors that produce a response greater than 50% of the reference level shall be recorded.

(2) For examination of welds, all reflectors which produce a response greater than 100% of the reference level shall be investigated to the extent that the operator can determine the shape, identity, and location of all such reflectors in terms of the acceptance-rejection standards of IWA-3100(b).

(3) The size of reflectors shall be measured between points which give amplitudes equal to 100% of the reference level.

11.3.3 Eddy Current Examination

Eddy current examination of heat exchanger tubing shall be conducted in accordance with the provisions of Appendix IV of Section XI of the ASME Boiler and Pressure Vessel Code.

12.0 QUALIFICATIONS OF NONDESTRUCTIVE EXAMINATION PERSONNEL

Personnel performing nondestructive examination operations shall be qualified in accordance with IWA-2300 of ASME Section XI (DPM N75C01).

13.0 ACCEPTANCE CRITERIA

All acceptance standards for Class A, B, C, and D components shall be in accordance with IWA-3000, IWB-3000, IWC-3000, or IWD-3000 of ASME Section XI, except where ASME Section III examinations are employed to satisfy ASME Section XI requirements.

14.0 REPAIRS

All ASME Section XI components and their supports (ASME Classes 1, 2, and 3) shall be repaired in accordance with the Repair and Replacement Program included in N-OQAM Part II, Section 2.3 and implemented by DPM SQ82M1.

15.0 REPLACEMENTS

Replacement of ASME Section XI components (ASME Classes 1, 2, and 3) shall be in accordance with the Repair and Replacement Program in N-OQAM Part II, Section 2.3 and implemented by DPM SQ82M1.

ASME Section XI repairs and replacements may be coordinated as necessary with the Chemical, Metallurgy and Standards Group of the Mechanical Branch.

16.0 RECORDS AND REPORTS

16.1 Recording of and Report of Examinations

A detailed report of all examinations shall be prepared by the performing or responsible organization and should contain but not be limited to the following information:

Title Page

Table of Contents

I. Introduction - The introduction should include the following information: Plant, unit number, preservice or inservice inspection and cycle number, systems, components and vessels examinations were performed on, organization examinations were performed by, dates examinations were performed, ASME Section XI Code of Record.

II. Summary - The summary should include a brief description of the overall inspection: Program, performance, personnel, equipment, procedures, evaluations, and results.

III. Discussion - The discussion should discuss the governing documents (ASME Code, Technical Specifications, etc.), inspection schedule, materials, calibration standards, calibration performance, reporting, recording, interpretation, and brief evaluation.

IV. Evaluation - Evaluation is based on the indication's location, metal path, general shape, and any tests that could be applied, such as damping. The evaluation section also should contain a listing of each examination performed and the evaluated results.

V. Summary of Notifications - The summary of notifications shall give a short summary of each notification report along with the indication discrepancy and its location. It should also contain the final disposition and the date of completion.

VI. Scan Plan - The Scan Plan shall give a detailed description of all areas subject to examination during the inspection. It shall contain the following information: Examination Area, Code Category, Weld Size and/or Number, Reference Drawing, Examination Method, Procedure, Calibration Block, and any reference details pertaining to the exam area, such as the weld number, meridional welds, pump studs, etc.

VII. Weld and Hanger Maps - The Weld and Hanger Maps are the reference drawings for the inspection. The weld maps are isometric drawings showing the location of both field and shop welds on each vessel, component, and piping system subject to examination. The hanger maps are also isometrics showing the location of hangers, snubbers and supports for each vessel, component, or piping system subject to examination.

VIII. Log by System - The log is the daily status of the inspection section representative of the areas subject to examination during the inspection. This log keeps an up-to-date status of work complete and incomplete.

IX. Personnel Certifications

X. Equipment Certifications

XI. NDE Procedures

XII. Calibration Block Drawings

XIII. Calibration Sheets

XIV. Examination Reports - Reports for inservice inspection shall be prepared in accordance with IWA-6220 of ASME Section XI.

For eddy current examination of heat exchanger tubing, the report shall include a record indicating the tube(s) examined (this may be marked on a tube sheet sketch or drawing), the extent to which each tube was examined, the location and depth of each reported indication, and the identification or the operator(s) and data evaluator(s) who conducted each examination or part thereof, and magnetic tape and strip charts.

All procedures and equipment shall be identified sufficiently to permit duplication of the examination at a later date. This shall include initial calibration data for the equipment and any significant changes.

All required and pertinent information will be recorded on the appropriate data sheets by the performing organization. When portions of the inspection work are contracted, a detailed report will be submitted to TVA by the contractor with all pertinent and required information. TVA will retain the original copies of all raw data taken.

The QEB NDE Section shall review and submit the final report to the Plant Superintendent for review. These final reports shall be filed at the plant site with the data sheets of Appendix C of this program as discussed in Section 5.0 of this program. Data Sheet 1 in Appendix C will be completed and used as a cover sheet for the final report and to document the review process.

16.1.1 Repair and Replacement Reports

The plant shall prepare a summary of repairs and replacements for all Class A and B components. The report shall include the applicable requirements of IWA-6220 of ASME Section XI and shall be submitted to the Chemical, Metallurgy and Standards Group within 45 days after each refueling outage. The report shall include repairs conducted during each refueling outage and all repairs conducted since the end of the preceding refueling outage. The Chemical, Metallurgy and Standards Group shall review the report to assure it contains applicable information required in IWA-6220 of ASME Section XI. After reviewing the summary report, the Chemical, Metallurgy and Standards Group shall forward it to the Quality Engineering Branch for submittal to the NRC as part of the inservice inspection report described in N-OQAM, Part II, Section 5.1 and 16.2 of this program, within 90 days from the end of each refueling outage.

16.2 ISI Report for Class A and B Components

The QEB NDE Section shall prepare an ISI Summary Report for Class A and B components to be submitted within 90 days after the completion of the inservice inspection with the Nuclear Regulatory Commission Region II Office in accordance with IWA-6220, ASME Section XI.

The ISI Report shall have a cover sheet providing the following information:

(1) Date of document completion.

(2) Name and address of owner.

(3) Name and address generating plant.

(4) Name or number assigned to the nuclear power unit by TVA.

(5) Commercial operation date for unit.

All reports shall provide the following information as a minimum.

(a.) Numbers assigned to the components by the state.

(b.) National Board Number assigned to the components by the manufacturer.

(c.) Names of the components and descriptions including size, capacity, material, location, and drawings to aid identification.

(d.) Name and address of principal manufacturer (e.g., Westinghouse, GE, etc.) and the principal contract number which will identify the subcontractors.

(e.) Manufacturer's component identification numbers.

(f.) Date of completion of the examination, (test, replacement, or repair).

(g.) Name of ANII who witnessed or otherwise verified the examinations, (tests, replacements, or repairs), and his employer and business address, when required.

(h.) Abstract of examinations, (tests, replacements, or repairs performed); conditions recorded; and corrective measures recommended or taken.

(i.) Signature of ANII, when required.

(j.) Owner's Data Report for inservice inspection, Form NIS-1, as shown in Appendix II of ASME Section XI.

(k.) Completed examination reports.

(l.) Completed calibration reports.

(m.) List of component drawings.

(n.) List of TVA NDE personnel and/or copies of contractor personnel certifications.

(o.) List of TVA NDE equipment and/or copies of contractors equipment certifications.

(p.) List of TVA NDE procedures used and/or copies if contractor NDE procedures.

The NDE Section shall submit the inservice examination report to the plant manager for retention as a quality assurance record in accordance with N-OQAM, Part III, Section 4.1. The NDE Section shall maintain a copy of the report for information, and shall submit applicable summaries of the report with a cover sheet as described above to the NRC via the Manager, Nuclear Licensing Branch, Office of Power.

16.3 Records for Classes A, B, C, and D Components

The following records shall be available for review:

(1) Examination Plans

(2) Examination Results and Reports

(3) Examination Methods and Procedures

(4) Evaluation of Results

(5) Corrective Actions and Repairs

16.4 Records of System Pressure Tests

Records of the visual examinations conducted during system leakage or hydrostatic tests shall consist of an itemization of the number and location of leaks found in a system and the corrective actions taken.

16.5 Augmented Examination Reports

Augmented examination special reports shall be submitted to the Nuclear Regulatory Commission Region II Office within the time period specified for each report. For specific details on records, reports and reporting see Section 20.0, Augmented Inspections, of this program.

17.0 NOTIFICATION OF INDICATION

Plant management shall be formally notified of the presence of unacceptable indications detected during the performance of nondestructive examinations (excluding VT-2, visual examinations performed during system pressure tests). Unacceptable indications are defined by the applicable NDE procedure. Formal notification shall consist of completing and submitting to the Plant Superintendent the "Notification of Indication" form in Appendix D of this program.

Part I of the "Notification of Indication" shall be completed and signed by the NDE Level II or III examiner detecting the indication. The NDE Section Representative of the Quality Engineering Branch shall assign a sequential number review and sign the form. If the indication is detected by an outside contractor, the contractor's field supervisor shall review and sign the form. The original shall be sent to the plant superintendent and a copy to the ISI Programs Section.

The plant manager or his assistant shall be responsible for determining which organization (Outage Modification and Major Maintenance, Plant Maintenance) shall be responsible for preparing a disposition in Part II of the form and performing the associated corrective action. If the organization assigned responsibility for disposition is unable to determine a satisfactory disposition then the form should be sent to the Mechanical Branch for disposition. The individual responsible for preparation of the disposition shall sign and date Part II of the form. The cognizant supervisor of the appropriate organization shall review and approve the disposition and sign and date Part II of the form. Copies of the form shall be distributed to the plant manager and the ISI Programs Section. The original shall be returned to the NDE Section Representative. One copy shall be filed with the examination report.

If the organization assigned responsibility for repair is within NUC PR, they shall determine if the unacceptable condition is significant and potentially reportable in accordance with the requirements of N-OQAM, Part III, Section 7.2. Dispositions to correct the condition under the plant maintenance program shall

be processed in accordance with N-OQAM, Part II, Section 2.1. Dispositions other than restoring to original requirements shall be processed as modifications in accordance with N-OQAM, Part II, Section 3.0. Repair and replacement, activities, including coordination with the Authorized Inspection Agency (AIA), shall be performed in accordance with the requirements of N-OQAM, Part II, Section 2.3. Dispositions to accept the condition as-is shall include in Part II of the form the basis for the disposition. In addition for dispositions to accept the condition as-is, a USQD shall be prepared by the appropriate organization in accordance with established procedures. The organization responsible for corrective action shall include preservice examination requirements in the repair or replacement work instruction described in N-OQAM, Part II, Section 2.3.

Upon completion of corrective action the NDE Section Representative shall verify completion of corrective action, enter the work instruction and/or DCR numbers on the Notification of Indication form, enter the examination report number if re-examination was performed, and sign and date the form, Part III. The signed form shall remain with the examination report for use as a quality assurance record. If re-examination was performed, a copy of the signed form shall also remain with the re-examination report. Copies of the form shall also be distributed to those listed in the second paragraph above.

18.0 CALIBRATION BLOCKS

Calibration blocks will be used for ultrasonic examinations (a calibration tube will be used for eddy current examination of steam generator tubing). The blocks will be fabricated to the general requirements of ASME Section V and ASME Section XI. The blocks shall be fabricated of the material to be examined or equivalent P numbers. Mill test reports shall be obtained and retained by the Quality Engineering Branch for all calibration blocks. The blocks shall employ drilled holes and/or notches for calibration reflectors (See Request for Relief ISI-2).

The NDE Section shall maintain as-built calibration block drawings. Copies of the original drawings and any revisions shall be submitted to the ISI Programs Section. The calibration blocks shall be stored at the plant site and maintained by the plant QA organization.

19.0 REQUESTS FOR RELIEF

Where TVA has determined that certain code requirements or examinations are impractical, TVA will submit written requests for relief to NRC with information to support the determinations and any proposed alternate examinations. The impractical code requirements or examinations shall be identified in this program, and references to particular requests for relief shall be included.

When impractical examination requirements are identified in the field, the NDE Section shall notify the ISI Programs Section such that the information may be included in this program and requests for relief may be prepared if necessary.

The Requests for Relief are listed in Appendix E.

20.0 AUGMENTED INSPECTIONS

Augmented inspections are performed in addition to ASME Section XI code requirements. The augmented inspections may be required by the NRC or self-imposed by TVA.

20.1 Feedwater System Piping and Supports

In order to satisfy the requirements of NRC-IE Bulletin 79-13, the following augmented examinations shall be performed.

The augmented examination of the feedwater nozzle-to-pipe welds (includes nozzle-to-transition piece welds and transition piece-to-pipe welds) and of adjacent pipe and nozzle areas are included in DPM No. SEQ80M7. The requirements are a radiographic examination supplemented by ultrasonic examination on completion of the hot functional testing and before fuel loading. During the first refueling outage, perform a volumetric examination of the feedwater nozzle-to-pipe welds, the feedwater piping welds to the first support, the feedwater line-to-containment penetration welds and an area of at least one pipe diameter of the main feedwater line downstream at the auxiliary feedwater to main feedwater connection. Also perform a visual inspection of all feedwater system piping supports and snubbers in containment to verify operability and conformance to design.

In the event cracking is identified during examination of the nozzle-to-pipe welds, all feedwater lines up to the first piping support or snubber outboard of the nozzle shall be volumetrically examined as stated in the first paragraph. All unacceptable code discontinuities shall be subject to repair unless justification for continued operation is provided.

Any cracking or other unacceptable code discontinuities identified shall be reported to the Director of the NRC Regional Office within 24 hours of identification. Plant management shall report this information to the Nuclear Regulatory Commission Region II Office per Plant Instruction AI-18. A written report of the results of examination shall be submitted by the QEB NDE Section within 30 days of completion of the examination. Refer to DPM No. SEQ80M7 for information to be included in this special report.

The requirements of NRC-IE Bulletin 79-13 were satisfied during the unit 1, cycle 1 outage. This information has been retained as historical information and is no longer applicable to Sequoyah Nuclear Plant, unit 1.

20.2 RPV Nozzle Safe Ends

The augmented examination requirements of the RPV nozzle-to-safe end welds are included in the final report - Sequoyah Nuclear Plant - Evaluation of cracking in reactor vessel nozzle stainless steel buttering. The examinations for unit 1 will be monitored at the normal inservice inspection intervals for dissimilar metal welds as required by Section XI of the ASME Code. This augmented examination does not require a special report. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.3 Reactor Coolant Pump Flywheel

The augmented examination requirements of the reactor coolant pump flywheel are included in Regulatory Position C.4.b of Regulatory Guide 1.14; (1) an inplace ultrasonic examination of the areas of higher stress concentration at the bore and keyway at approximately three-year intervals during the refueling or maintenance shutdown coinciding with the inservice inspection schedule as required by Section XI of the ASME Code, and (2) a surface examination of all exposed surfaces and complete ultrasonic examination at approximately 10-year intervals during the plant shutdown coinciding with the inservice inspection schedule as required by Section XI of the ASME Code.

This augmented examination does not require a special report unless the examination reveals a flaw. If the examination and evaluation indicate an increase in flaw size or growth rate greater than predicted for the service life of the flywheel, the results of the examination and evaluation should be submitted to the NRC for evaluation. Refer to Regulatory Guide 1.14 for information to be included. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.4 Pressurizer Relief Line

The augmented examination requirements of the pressurizer relief line are included in the Technical Specifications 4.0.5 and 4.4.3.2.4. The pressurizer relief line and repair welds shall be examined using improved ultrasonic detection and evaluation procedures prior to entering Mode 4 whenever the plant has been in cold shutdown for 72 hours or more if the examination has not been performed in the previous six months.

In the event these six-month period examinations find the piping free of unacceptable indications for three successive inspections, the inspection interval shall be extended to 36 month intervals (±12 months to coincide with a scheduled refueling outage). The report shall be submitted with the Final Inservice Inspection Report.

20.5 Steam Generator Tubing

The augmented examination requirements of the steam generator tubing are included in Technical Specifications 4.0.5, 4.4.5.0 and section 7.3.8 of this program. Following each inservice inspection of steam generator tubes, the number of tubes plugged in each steam generator shall be reported to the NRC within 15 days.

Plant management shall report this information to the Nuclear Regulatory Commission Region II Office within the time period specified. See Plant Instruction AI-18 for reporting instructions.

The complete results of the steam generator tube inservice inspection shall be submitted to the Nuclear Regulatory Commission in a special report pursuant to Technical Specification 6.9.2 within 12 months following completion of the inspection. The Chemical, Metallurgy, and Standards

Group Staff Specialist shall prepare this special report and submit the report of the Nuclear Regulatory Commission Region II Office within the stated time period. This special report shall include:

1. Number and extent of tubes inspected.

2. Location and percent of wall-thickness penetration for each indication of an imperfection.

3. Identification of tubes plugged.

Results of steam generator tube inspections which fall into Technical Specification Category C-3 require prompt notification of the Nuclear Regulatory Commission pursuant to Technical Specification 6.9.1 prior to resumption of plant operation.

The written followup of this report shall provide a description of investigations conducted to determine cause of the tube degradation and corrective measures to prevent recurrence.

Refer to Technical Specifications 4.0.5 and 4.4.5.0 and section 7.3.8 of this program for information to be included.

20.6 RPV Nozzle Cladding

All vessel nozzles cladding shall be ultrasonically examined at the end of each 10-year inspection interval, using techniques at least as sensitive as those used to conduct the supplemental examinations performed prior to fuel loading. The results of this examination shall be reported to NRC. This examination is done in accordance with Sequoyah technical specifications and satisfies Surveillance Requirement 4.4.10. This augmented examination does not require a special report. This examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

Nozzle forging material and cladding is identified in section 7.1.2 of this program.

20.7 RPV Closure Head Circumferential Weld (W09-10)

See subsection 7.1.1.3 of this program for augmented examination requirements. This augmented examination does not require a special report. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

21.0 REFERENCES

21.1 ASME Boiler and Pressure Vessel Code - Section XI 1974 Edition Summer 1975 addenda, Summer 1976 addenda; 1977 Edition, Summer 1978 addenda.

21.2 ASME Boiler and Pressure Vessel Code - Section V.

21.3 Instruction Manual - 173-inch I.D. Reactor Pressure Vessel - Rotterdam Dockyard Company, Contract No. 68C60-91934, N2M-2-3.

21.4 Sequoyah Nuclear Plant Standard Practice SQA41.

21.5 Sequoyah Nuclear Plant Final Safety Analysis Report.

21.6 Westinghouse Technical Manual - Pressurizer, TM 1440-C225, Contract No. 68C60-91934, N2M-2-6.

21.7 Westinghouse Technical Manual - Vertical Steam Generators, TM 1440-C224, Contract No. 68C31-91934, N2M-2-4.

21.8 Westinghouse Instruction Manual - Auxiliary Heat Exchangers, Contract No. 68C60-91934, N2M-2-25.

21.9 Westinghouse Instruction Book - Reactor Coolant Pump, Contract No. 68C60-91934, N2M-2-5.

21.10 Ingersoll-Rand Instruction Manual - Residual Heat Removal Pumps, Contract No. 68C60-91934, N2M-2-30.

21.11 Sequoyah Nuclear Plant Operational Quality Assurance Manual, Part II, Sections 2.3, 3.0, 5.1, and 6.3.

21.12 Sequoyah Nuclear Plant Technical Instruction TI-51.

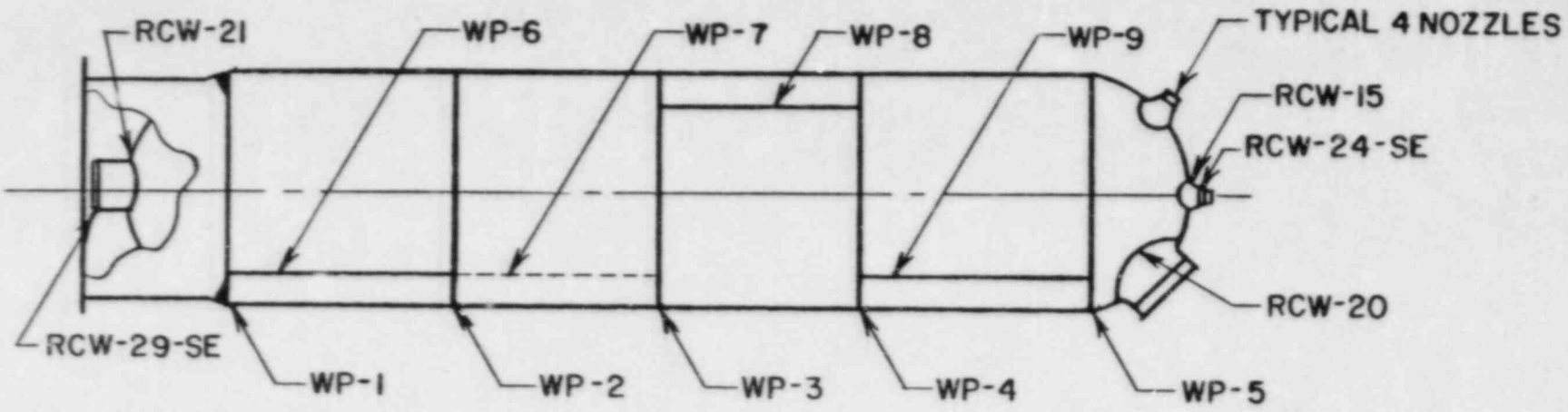
21.13 Sequoyah Nuclear Plant Technical Specifications Unit 1.

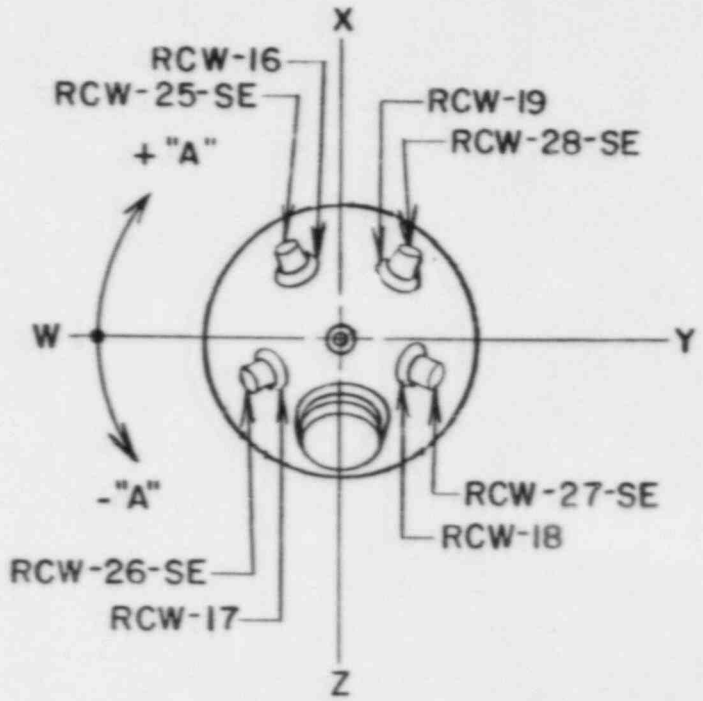
21.14 Division Procedure Manual: N75C01, N76A10, N80E3, N83A3, SEQ80M7, SEQ82E1, and SQ82M1.

APPENDIX A
TABLE B (Continued)
SEQUOYAH INSERVICE INSPECTION PROGRAM
CLASS B COMPONENTS

Component	Program Reference Section	Exam Method	Section XI Exam Category	40 Yr. Sample No. Welds	40 Yr. Sample Length of Weld	1st Insp. Interval No. Welds	1st Insp. Interval Length of Weld	Inspection Periods 3 yrs.	Inspection Periods 7 yrs.	Inspection Periods 10 yrs.	Reference Dwg. No.
D. Piping (cont'd)											
F. Upperhead Injection System											
a. UHI Circs >½" Nom. Wall Thickness	8.9.4.6	UT,PT	C-F,C-G	26		7		2	2	3	CHM-2337-C
E. Pumps											
1. Residual Heat Removal (2) RHRP											
a. RHRP Component Supports	8.9.1.2	VT-3	C-C,C-E	2		2		1	0	1	ISI-0099-A
*2. CVCS Centrifugal Charging Pumps (2) CCP											
a. CCP, Integrally Welded Supports	8.10.2.1	ST	C-C	2		2 Pmps/4 Ft		1	0	1	ISI-0146-A
b. CCP Component Supports		VT-3	C-C, C-E	2		2		1	0	1	ISI-0146-A
c. CCP Casing Welds		ST	C-G	2		2		1	0	1	ISI-0148-B
*3. SIS Safety Injection Pumps (2) SIP											
a. SIP Component Supports		VT-3	C-C, C-E	2		2		1	0	1	ISI-0147-B
F. Exempted Components	8.12	VT-2	C-H	See Program Section 8.12							

*Revision





AS BUILT DIMENSIONS	
WELD NO.	"A"
WP-6	-60°
WP-9	-45°

SQNP
SI-114.1
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Rev. 4

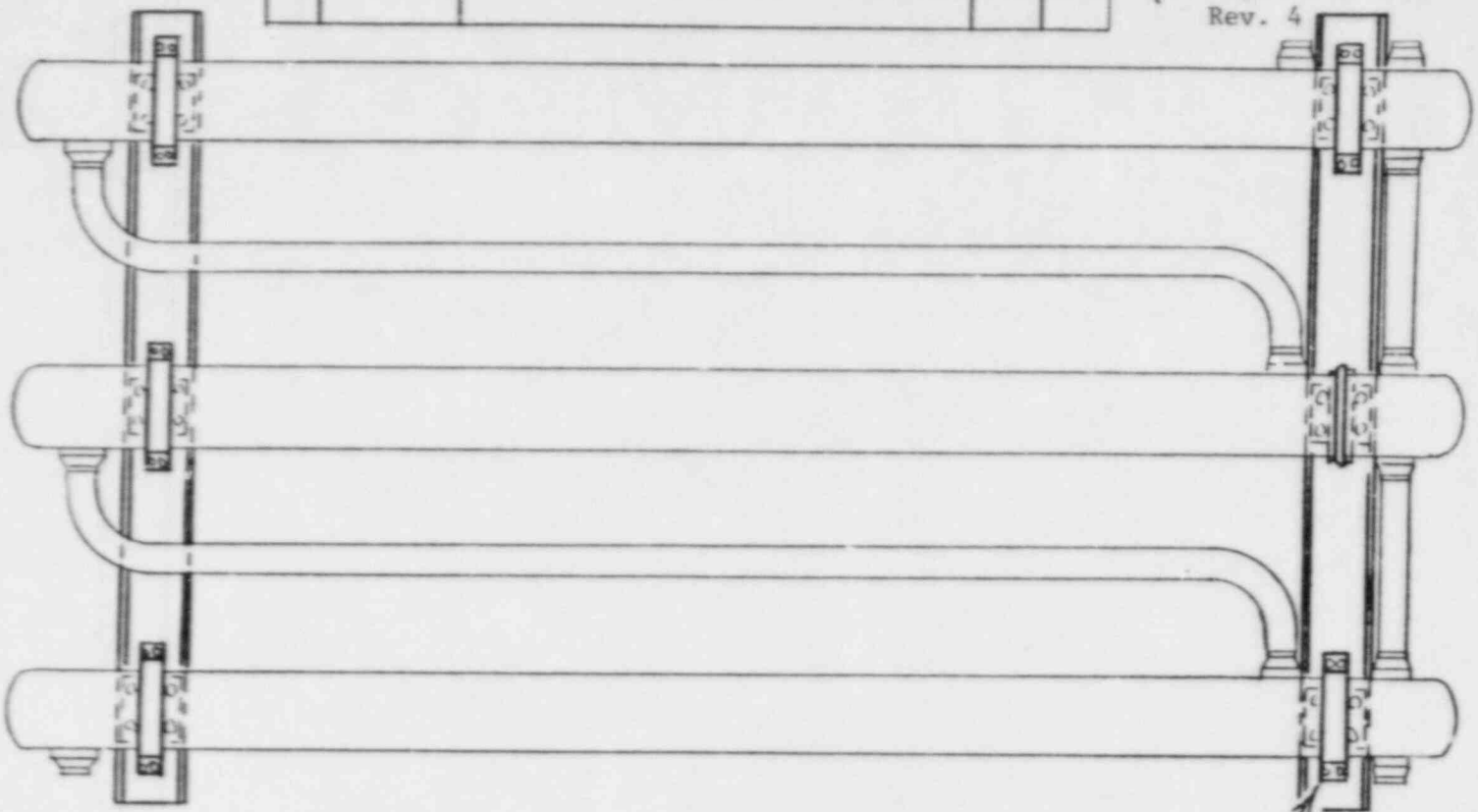
NO.	DATE	REVISIONS	CK'D	APP.
2	3-5-84	REDRAWN JAA	EDC	
1	11-8-83	ADD DIMENSION BLOCK KEV	EDC	

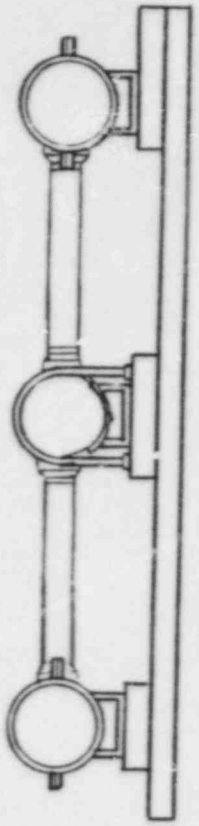
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
PRESSURIZER

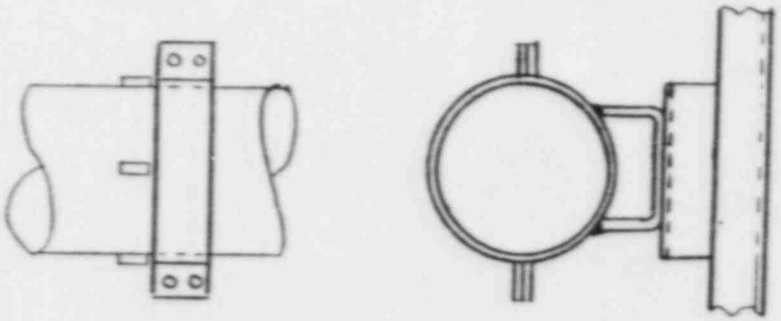
SCALE:	SUBMITTED	APPROVED	DATE 3-5-84
DRAWN	EDC		SHEET 1 OF SHEETS
TRACED JAA			CH-M-2363-A
CHECKED EDC			

NO.	DATE	REVISIONS	CK'D	APP.
1	2-24-84	CORRECTED DWG. SIZE JAA	EDC	HB





RHXH-1
(SEE DETAIL)



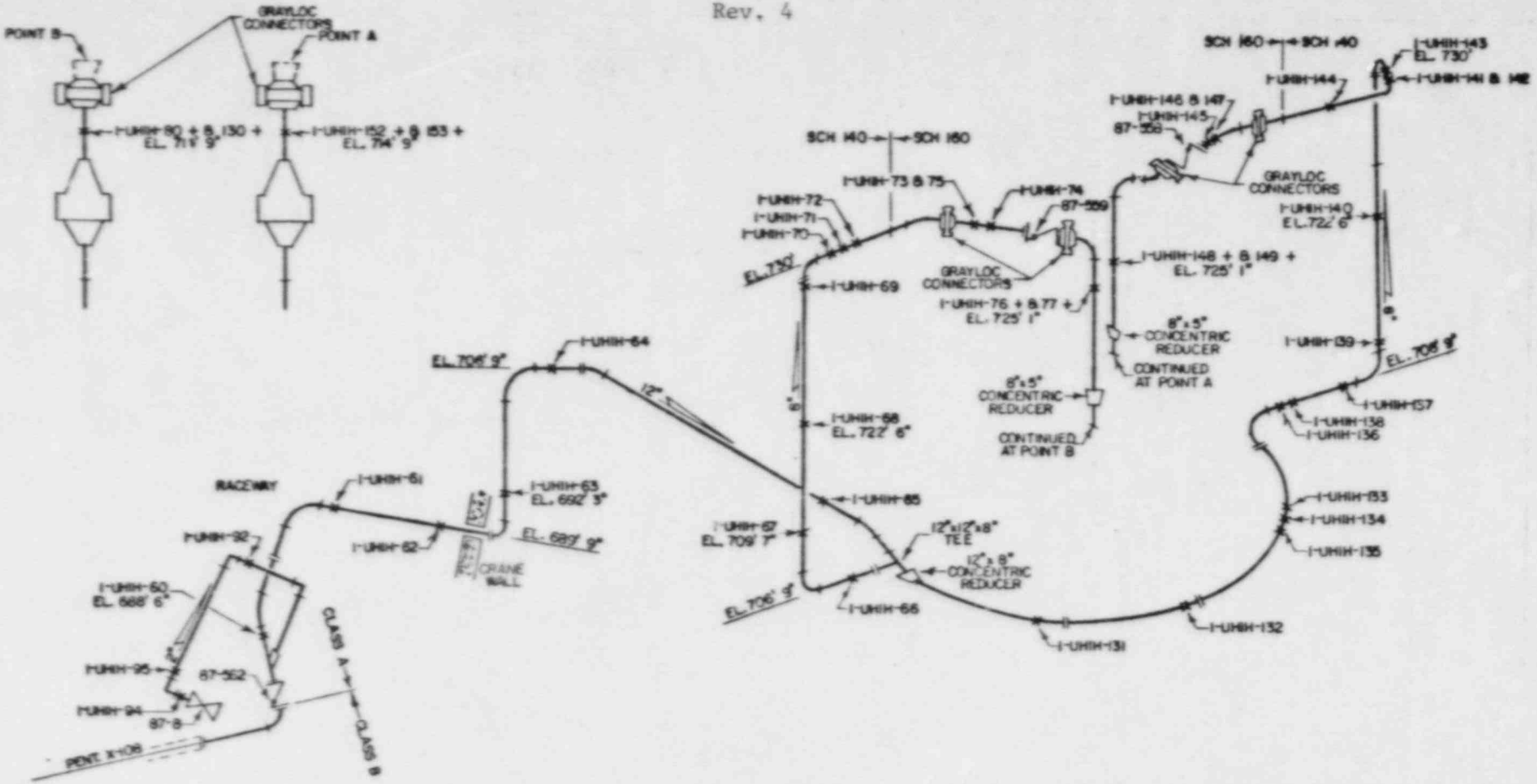
DETAIL

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
REGENERATIVE HEAT EXCHANGER
HANGER LOCATIONS

SCALE: NTS	SUBMITTED EDC	APPROVED HB	DATE 7-2-82
DRAWN			SHEET 3 OF 3 SHEETS
TRACED REV.			ISI-0066-A
CHECKED EDC			

1 R-1



REF. DRAWING:
47W435
NAVCO A-7277
1-UPI-500-1IN

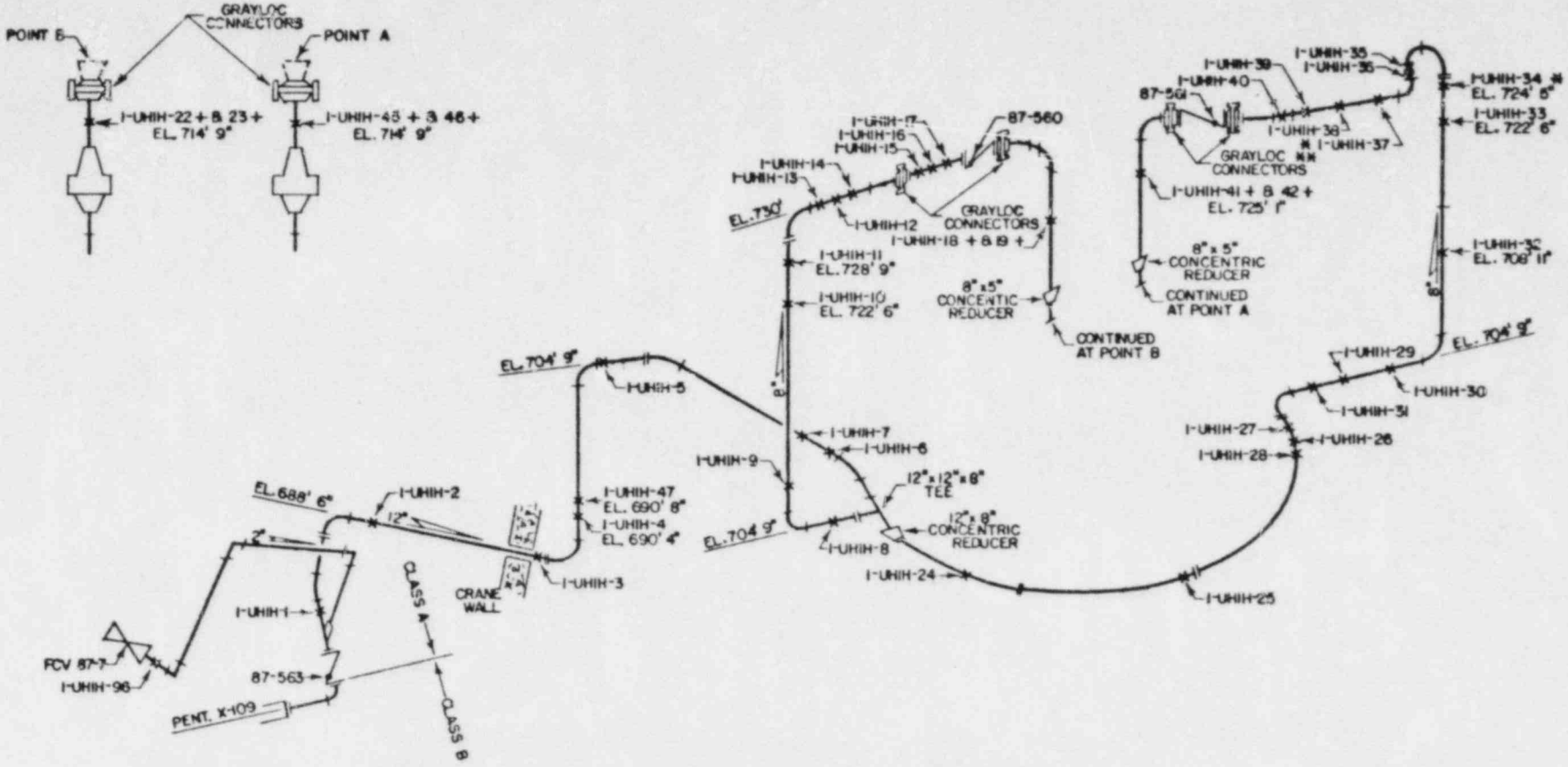
SPECIFICATIONS:
CLASS A
A376 TP316 STNL. STL. SEAML. PIPE
12" SCH 140
8" SCH 160
6" SCH 140
A403 WP316 STNL. STL. SEAML. W/FTGS.
12" SCH 140
8" SCH 160
6" SCH 140
AUXILIARY HEAD ADAPTER
UPPER SECTION ASME SA-192
LOWER SECTION ASME SB-166 (INCONEL)
6" APPROXIMATELY 1" THICK WALL
A376 TP304 SEAMLESS STNL. STL. PIPE
2" SCH 160
A182 F304 6000# S.W. STNL. STL. FTGS.
2" SCH 160

NO.	DATE	REVISIONS	BY	CHK'D
1	2-24-84	CORRECTED NO. OF SA.		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT # 1
UPPERHEAD INJECTION

DRAWING NO. 1-CH-M-2437-C
REV. 1 OF 3 PAGES
R1



+ ATTACHED TO GUARD PIPE
# WELDED ATTACHMENTS
REQUIRES HANGER REMOVAL FOR LUG EXAMINATION

REF DRAWINGS:
47W435
NAVCO A-7278
1-UPI-500-1W

SPECIFICATIONS:
CLASS A
A376 TP316 STNL. STL. SEAML. PIPE
12" SCH 140
8" SCH 160
6" SCH 140
A403 WP316 STNL. STL. SEAML. W/FTGS.
12" SCH 140
8" SCH 160
6" SCH 140
AUXILIARY HEAD ADAPTER
UPPER SECTION ASME SA-182
LOWER SECTION ASME SA-166 (INCONEL)
6" APPROXIMATELY 1" THICK WALL
A376 TP304 SEAMLESS STNL. STL. PIPE
2" SCH 160
A182 F304 6000# S-W. STNL. STL. FTGS.
2" SCH 160

NO.	DATE	REVISIONS	BY	CHK'D	APP'D
1	2-24-84	CORRECTED NO. OF SA. JAA			

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT # 1
UPPERHEAD INJECTION
DRAWING NO. 1-47W435-1 REV. 1
CH-M-2437-C

MATERIAL SPECIFICATIONS

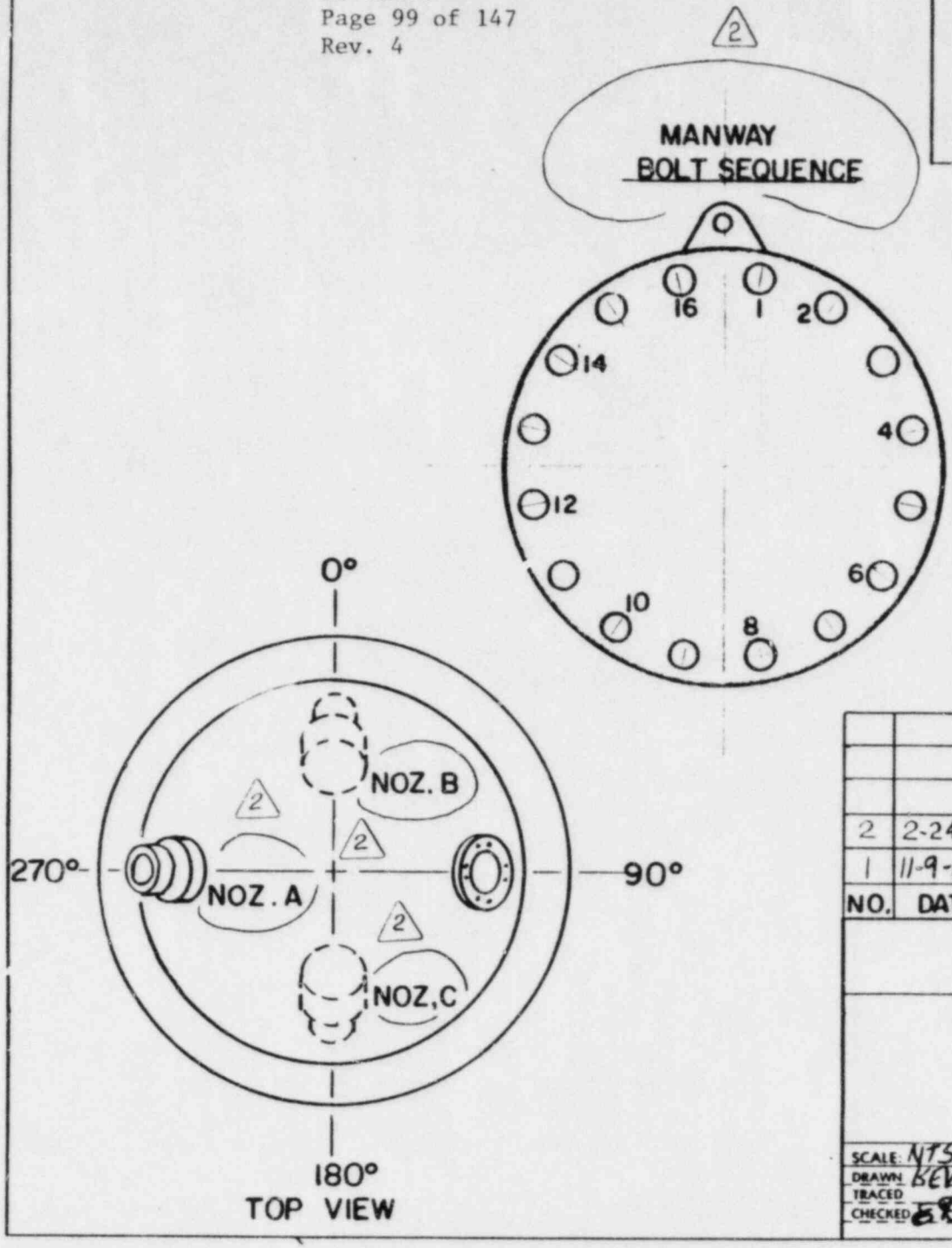
STUDS

SA 193 B 7

2½" DIA. x 11¾" LG

NUTS

SA 194 CL-2H



NO.	DATE	REVISIONS	CK'D	APP.
2	2-24-84	ADD NOZ. LOCATION AND BOLT SEQ. JAH	EDC	
1	11-9-83	ADD TOP VIEW KEY	EDC	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
UPPER HEAD INJECTION
WATER ACCUMULATOR

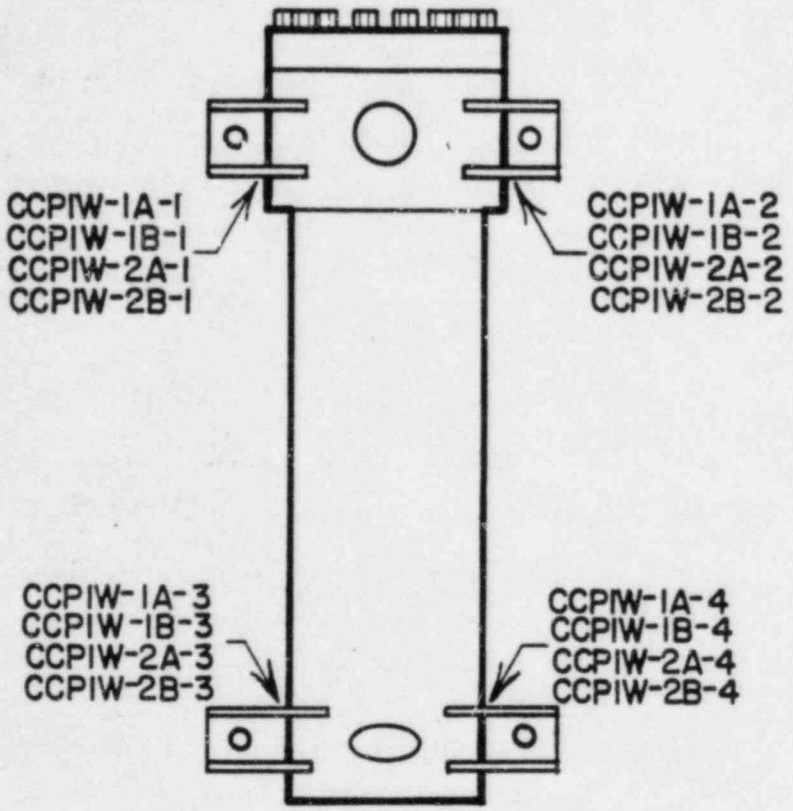
SCALE: NTS	SUBMITTED	APPROVED	DATE 7-30-82
DRAWN BEV	EDC		SHEET 2 OF 2 SHEETS
TRACED			ISI-0070-A R2
CHECKED EDC			

REFERENCE DRAWINGS

FC-45619

NOTES

1. THE PUMP FEET ARE BOLTED TO A COMMON SUPPORT.
2. PUMP SUPPORT NUMBERS
   CCPH-1A-A
   CCPH-1B-B
   CCPH-2A-A
   CCPH-2B-B
3. THE PUMP FEET ARE INTERGALLY WELDED TO THE CASING.



TENNESSEE VALLEY AUTHORITY

DIVISION OF NUCLEAR POWER

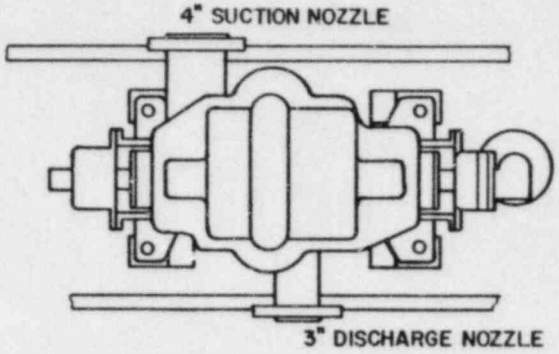
SEQUOYAH NUCLEAR PLANT

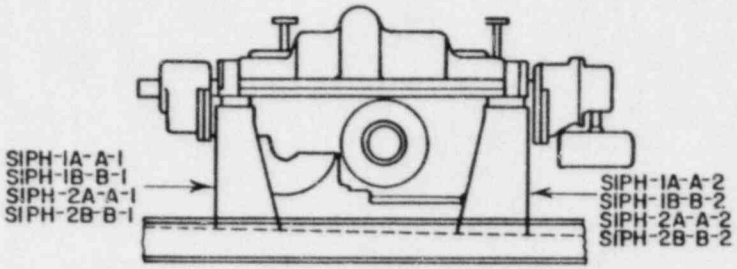
UNITS #1 & #2

CENTRIFUGAL CHARGING PUMP SUPPORTS

SCALE: NTS	SUBMITTED	APPROVED	DATE 3-27-84
DRAWN REV			SHEET OF SHEETS
TRACED			ISI-0146-A
CHECKED EDC			

REFERENCE DRAWINGS
FC-45648-4
TVA SAFETY CLASS B





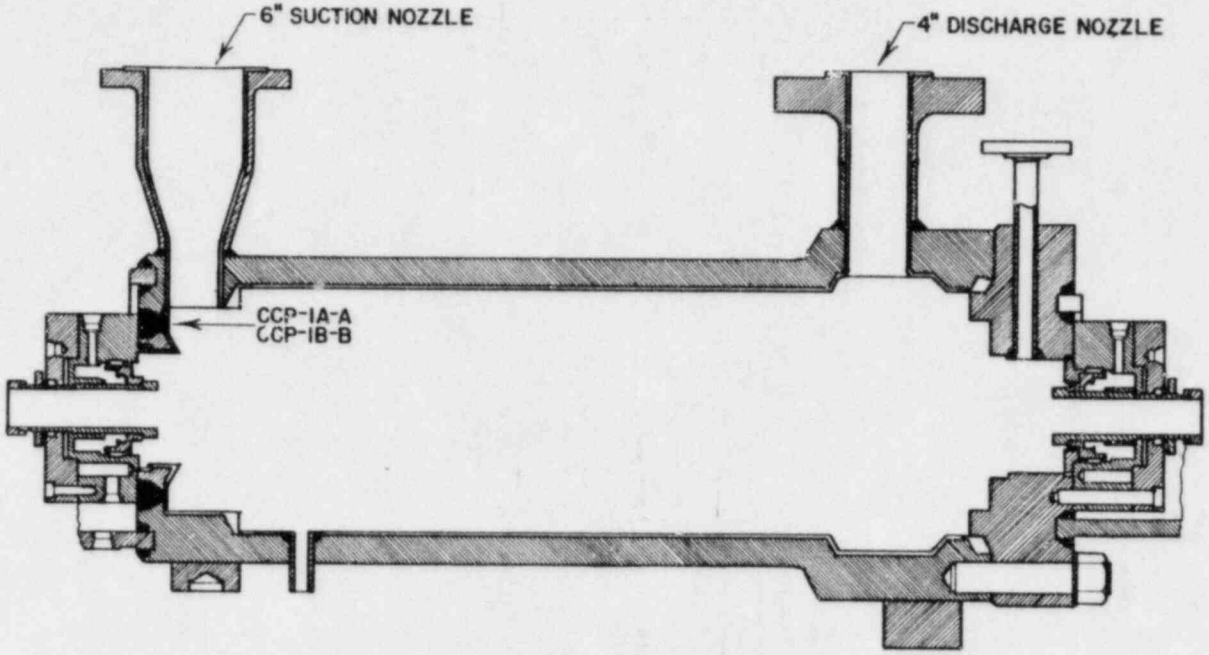
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
SAFETY INJECTION PUMP SUPPORTS

SCALE NTS	SUBMITTED EDC	APPROVED	DATE 3-30-84
DRAWN BEV			SHEET OF SHEETS
TRACED			ISI-0147-B
CHECKED			

RO

REFERENCE DRAWINGS
J-286-N
TVA SAFETY CLASS B

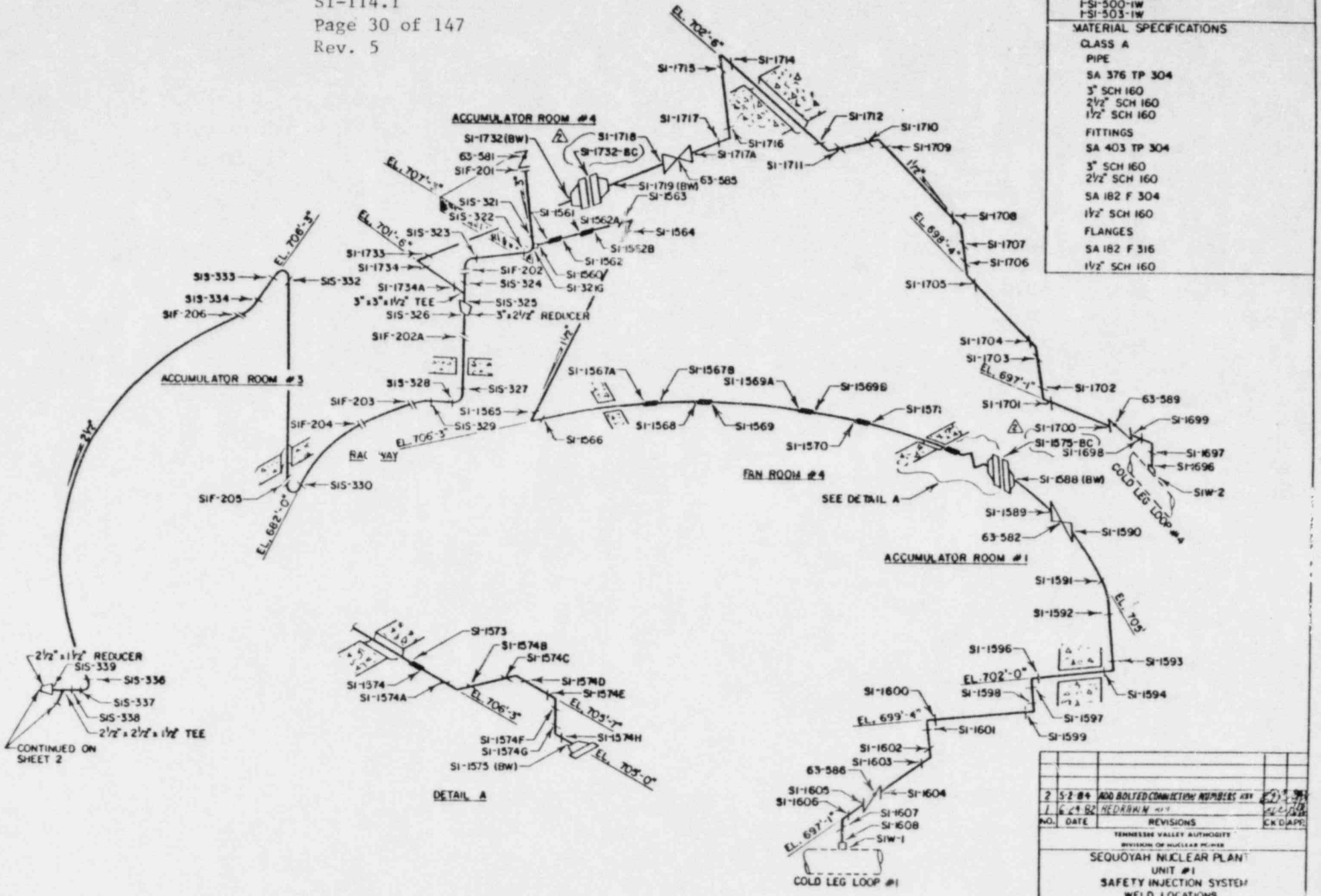


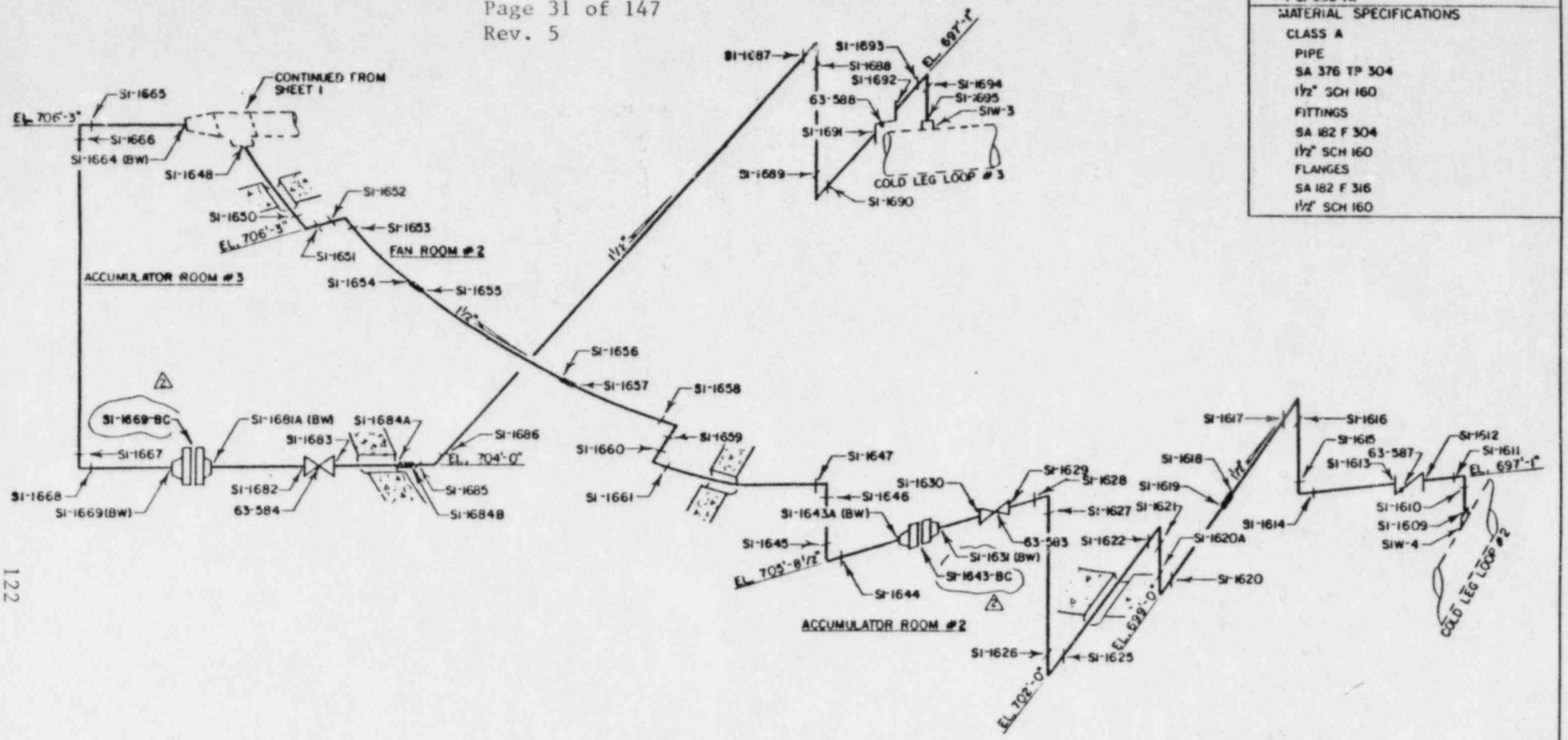
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
CENTRIFUGAL CHARGING PUMP
CASE WELDS

SCALE N/S	SUBMITTED	APPROVED	DATE 3-29-84
DRAWING 047	EDC		SHEET OF SHEETS
TRACE			ISI-0148-B
CROSS REF EDC			

RO


REFERENCE DRAWINGS
NAVCO A-7258
1-SI-500-1W
1-SI-503-1W
MATERIAL SPECIFICATIONS
CLASS A
PIPE
SA 376 TP 304
3" SCH 160
2½" SCH 160
1½" SCH 160
FITTINGS
SA 403 TP 304
3" SCH 160
2½" SCH 160
SA 182 F 304
1½" SCH 160
FLANGES
SA 182 F 316
1½" SCH 160
ACCUMULATOR ROOM #4
ACCUMULATOR ROOM #3
ACCUMULATOR ROOM #1
FAN ROOM #4
RAC WAY
SEE DETAIL A
DETAIL A
CONTINUED ON SHEET 2
COLD LEG LOOP #1
COLD LEG LOOP #4
EL. 706'-3"
EL. 707'-1"
EL. 701'-6"
EL. 698'-4"
EL. 697'-1"
EL. 705'
EL. 702'-0"
EL. 699'-4"
EL. 682'-0"
EL. 703'-7"
EL. 705'-0"
SIS-333
SIS-334
SIF-206
SIS-332
SIS-339
SIS-336
SIS-337
SIS-338
2½" x 2½" x 1½" TEE
2½" x 1½" REDUCER
SIF-205
SIS-330
SIF-204
SIF-203
SIS-328
SIS-329
SIS-327
SIF-202A
SIS-326
3" x 3" x 1½" TEE
SIS-325
3" x 2½" REDUCER
SIS-324
SIF-202
SIS-323
SIS-322
SIS-321
SIF-201
63-581
SI-1732 (BW)
SI-1732-BC
SI-1718
SI-1719 (BW)
63-585
SI-1717
SI-1716
SI-1717A
SI-1715
SI-1714
SI-1712
SI-1710
SI-1709
SI-1711
SI-1708
SI-1707
SI-1706
SI-1705
SI-1704
SI-1703
SI-1702
SI-1701
63-589
SI-1700
SI-1575-BC
SI-1698
SI-1699
SI-1697
SI-1696
SIW-2
SI-1688 (BW)
SI-1589
63-582
SI-1590
SI-1591
SI-1592
SI-1596
SI-1593
SI-1598
SI-1594
SI-1597
SI-1599
SI-1600
SI-1601
SI-1602
SI-1603
63-586
SI-1605
SI-1606
SI-1604
SI-1607
SI-1608
SIW-1
SI-1561
SI-1562A
SI-1563
SI-1564
SI-1562B
SI-1562
SI-1560
SI-1321G
SI-1733
SI-1734
SI-1734A
SI-1567A
SI-1567B
SI-1569A
SI-1569B
SI-1571
SI-1570
SI-1568
SI-1569
SI-1565
SI-1566
SI-1573
SI-1574B
SI-1574C
SI-1574D
SI-1574E
SI-1574
SI-1574A
SI-1574F
SI-1574G
SI-1574H
SI-1575 (BW)
2
5-2-84
ADD BOLTED CONNECTION NUMBERS
1
6-29-82
REDRAWN
NO.
DATE
REVISIONS
CK'D
APP'D
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #1
SAFETY INJECTION SYSTEM
WELD LOCATIONS
NTS
EDC
MJB
1-7
OHM-2333-C
R2



REFERENCE DRAWINGS
1-SI-501-1W
1-SI-501-2W
1-SI-502-1W
MATERIAL SPECIFICATIONS
CLASS A
PIPE
SA 376 TP 304
1½" SCH 160
FITTINGS
SA 182 F 304
1½" SCH 160
FLANGES
SA 182 F 316
1½" SCH 160

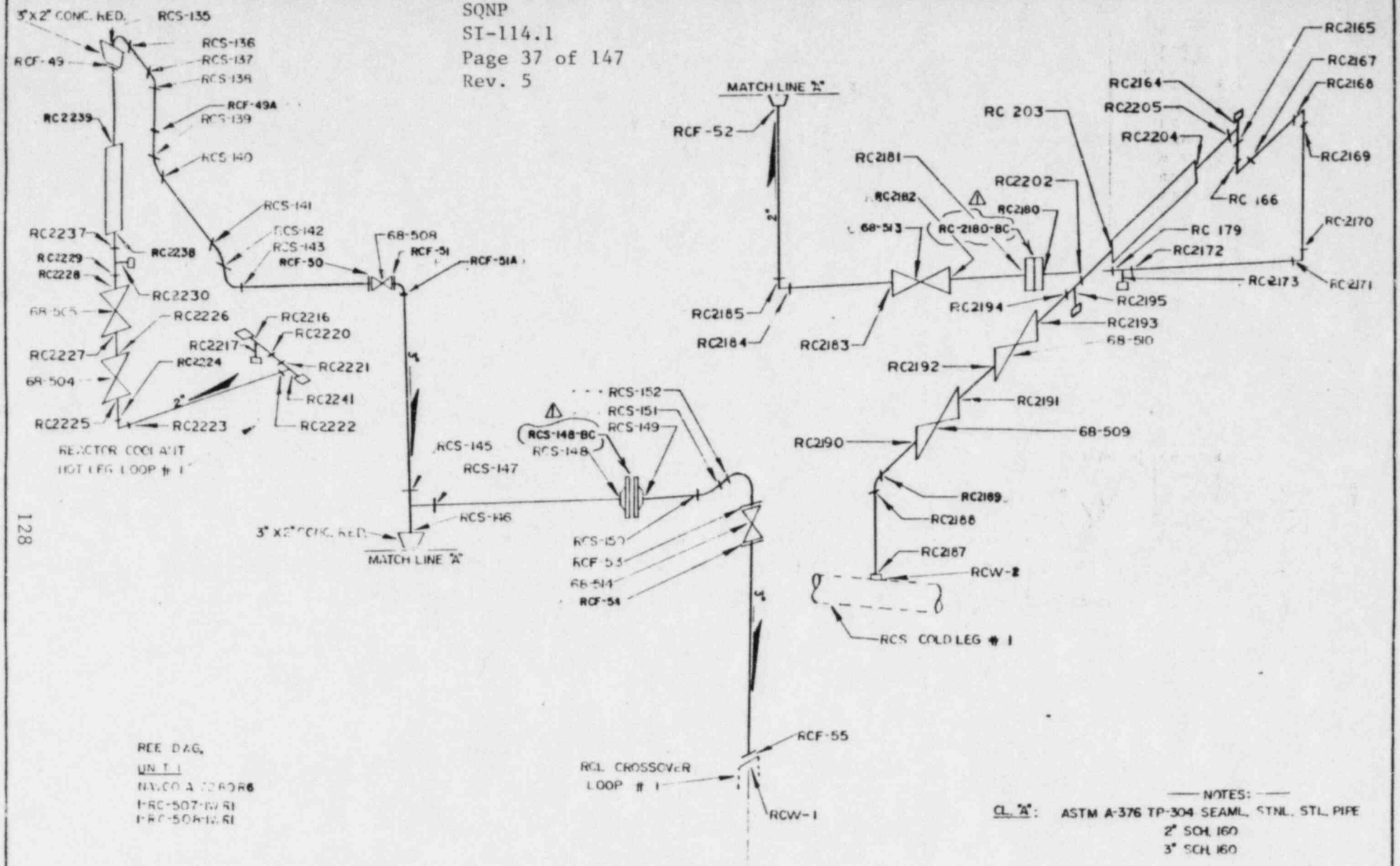
NO.	DATE	REVISIONS	CK'D	APP'D
2	5-2-84	ADD BOLTED CONNECTION NUMBERS		
1	6-20-82	REDRAWN		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
SAFETY INJECTION SYSTEM
WELD LOCATIONS

	EDC	MJB	2-7

CHM-2333-C R2



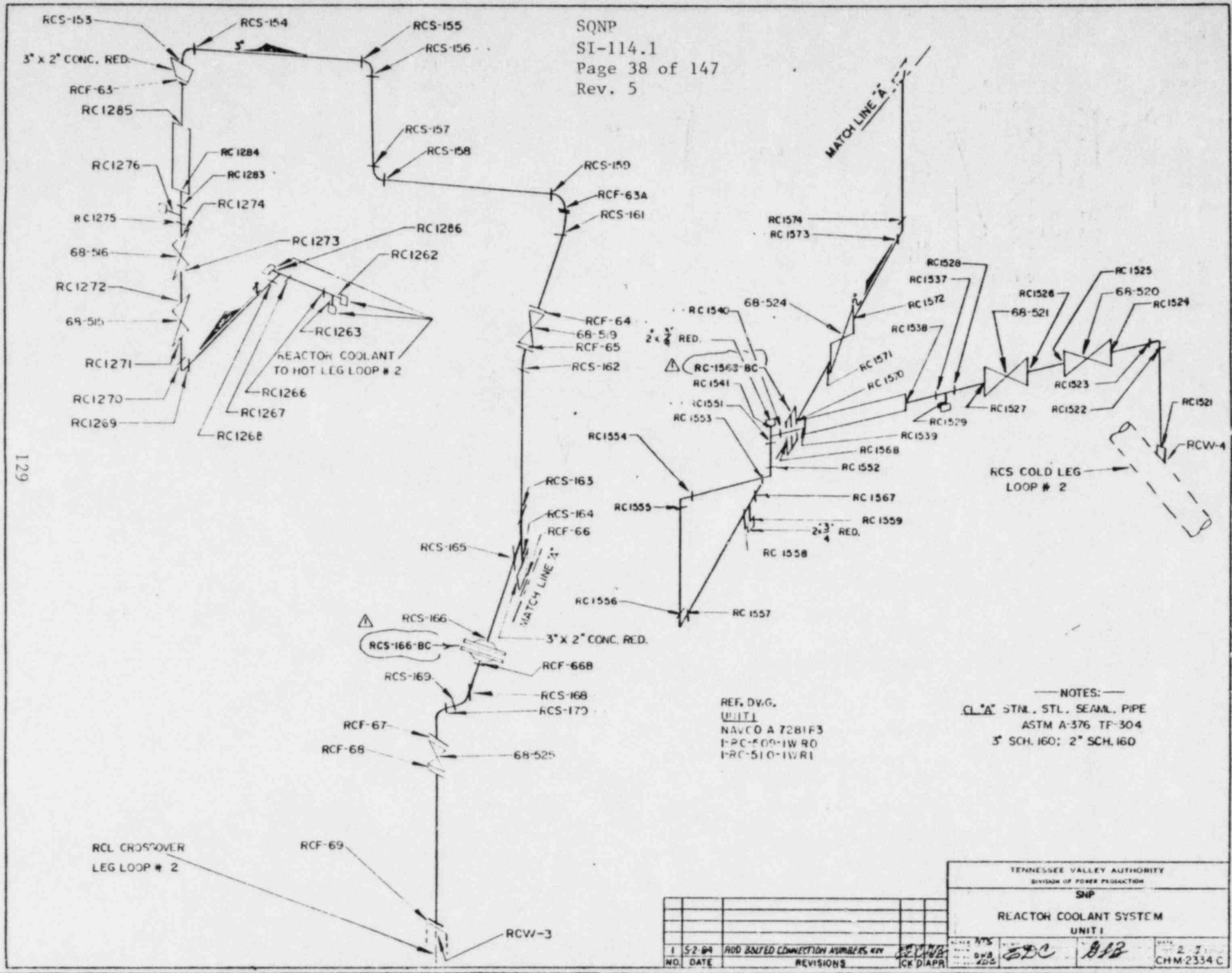
128

REF. DWG.
UNIT 1
N3-CO-A-2280R6
1-RC-507-W-81
1-RC-508-W-81

NOTES:
CL. "A": ASTM A-376 TP-304 SEAML. STNL. STL. PIPE
2" SCH. 160
3" SCH. 160

NO.	DATE	REVISIONS	CK'D	APP
1	5-2-84	ADD BALTD CONNECTION NUMBERS REV		

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION
SNP
REACTOR COOLANT
UNIT 1
NTS
DWG
CHM-2334C R1

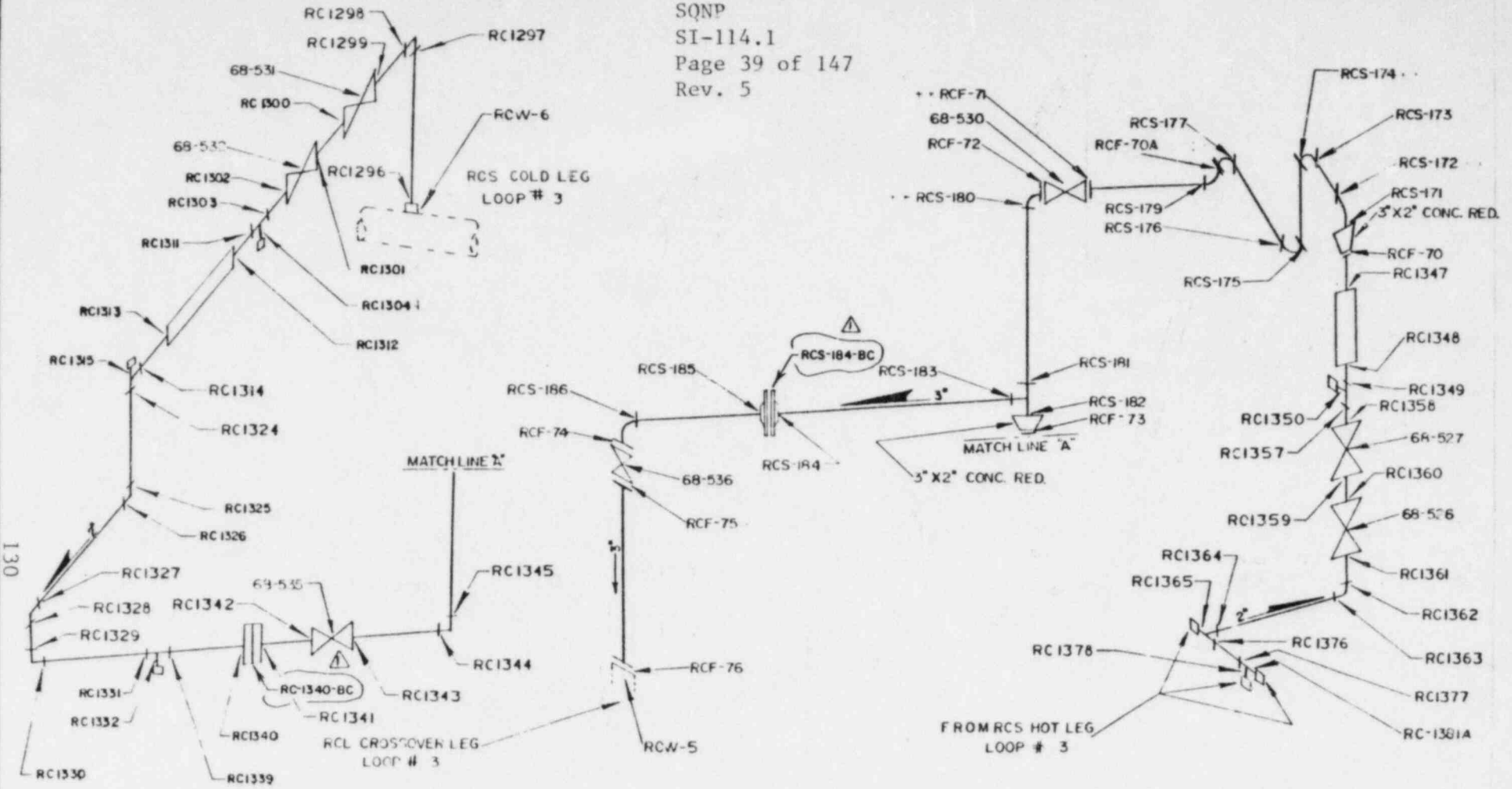


REF. DWG.
UNIT 1
NAVCO A 728163
PRC-509-1W R0
PRC-510-1W R1

NOTES:
CL "A" STNL. STL. SEAML. PIPE
ASTM A-376 TP-304
3" SCH. 160; 2" SCH. 160

NO.	DATE	REVISIONS	CK'D/APP
1	5-2-89	ADD BOLTED CONNECTION NUMBERS KEY	

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION
SNP
REACTOR COOLANT SYSTEM
UNIT 1
SCALE NTS
DWG 205
CHM 2334 C
R1



130

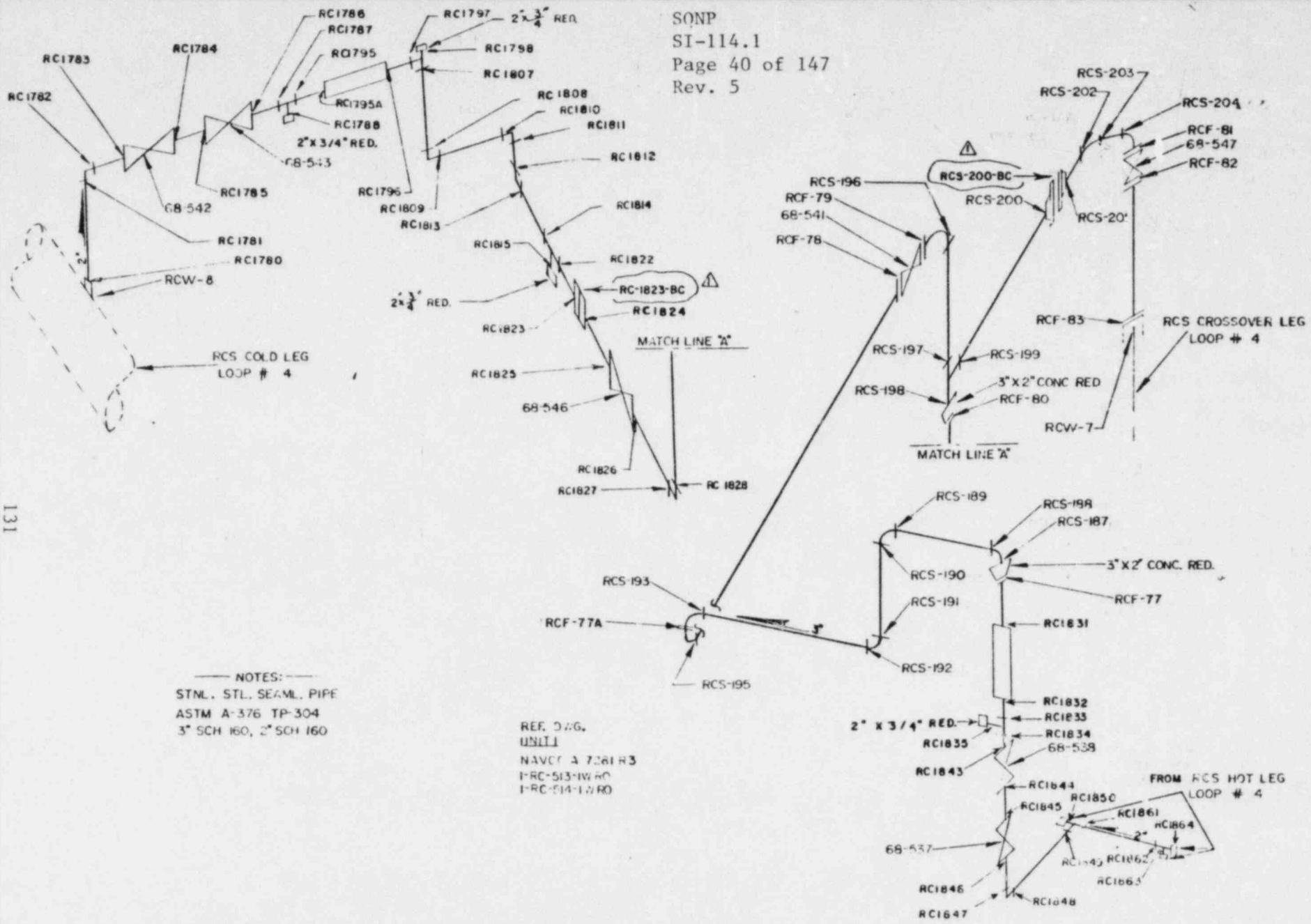
REF. DWG.
UNIT 1
NAVCO A 7281 R3
FPC-511-1W RO
FPC-512-1W RO

NOTES:
STNL. STL. SEAML. PIPE
ASTM A-376 TP-304
3" SCH. 160, 2" SCH. 160

CLASS A

NO.	DATE	REVISIONS	CK'D	APP
1	5-2-84	ADD BOLTED CONNECTION NUMBERS, REV		

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION
SNP
REACTOR COOLANT SYSTEM
UNIT 1
NTS | DWG | EDC | CHM 2334-C R1



NOTES:
STNL. STL. SEAML. PIPE
ASTM A-376 TP-304
3" SCH 160, 2" SCH 160

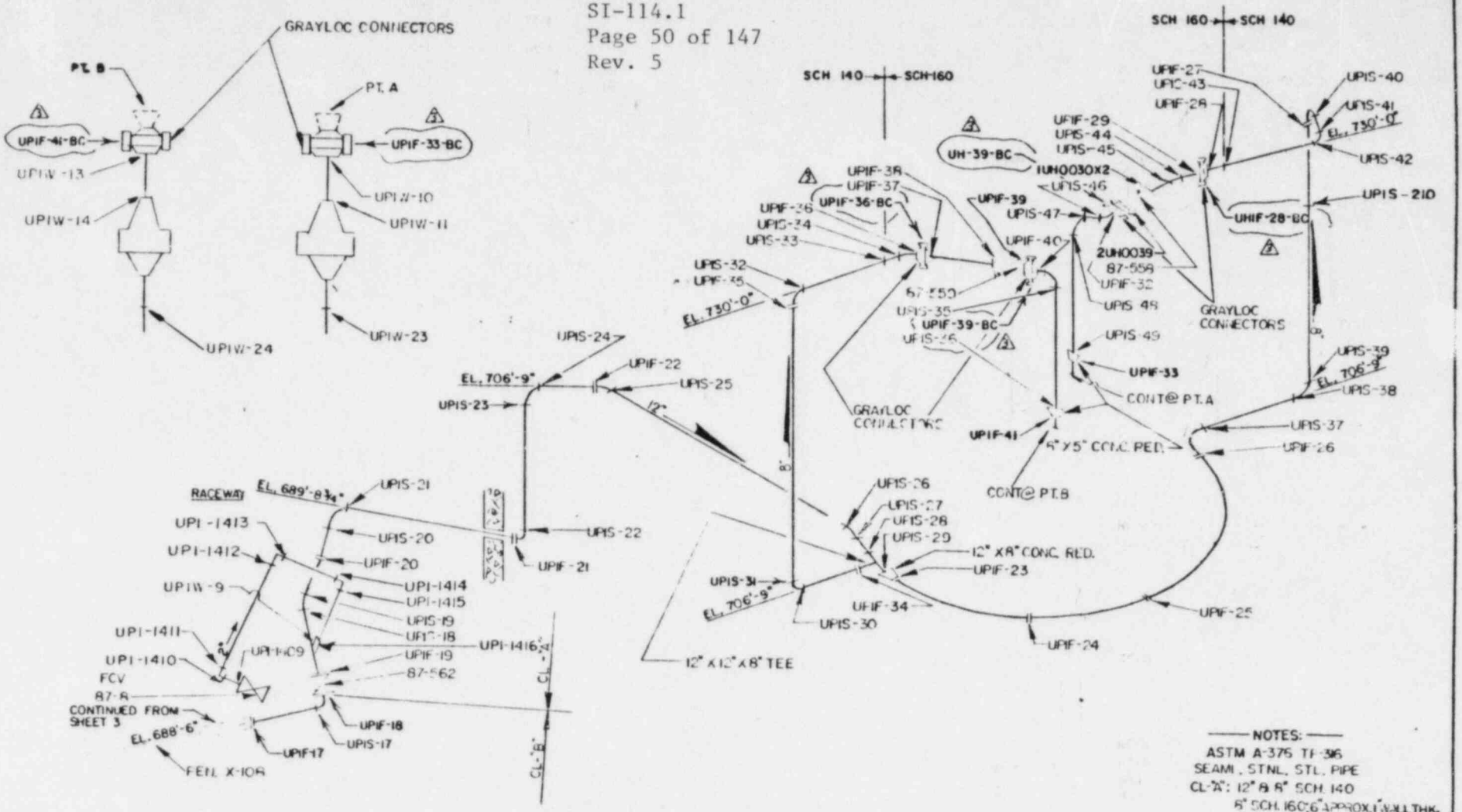
REF. DWG.
UNIT 1
NAVCO A 7261 R3
1-RC-513-1WRO
1-RC-514-1WRO

CLASS A

NO.	DATE	REVISIONS	CK'D	APP
1	3-2-84	ADD BOLTED CONNECTION NUMBERS PER [illegible]	[illegible]	[illegible]

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION
SNP
REACTOR COOLANT SYSTEM
UNIT 1
NTS
DWG 50C 5613
47
CH-M 2334 C

131



NOTES:
ASTM A-375 TP-316
SEAM., STNL. STL. PIPE
CL-"A": 12" & 8" SCH. 140
8" SCH. 160 6" 2500X1" WALL THK.

REF. DWG.

AUX. HD. ADR
UPPER SECTION-ASME SA-182, 304
LOWER SECTION-ASME SB-166, INCONEL

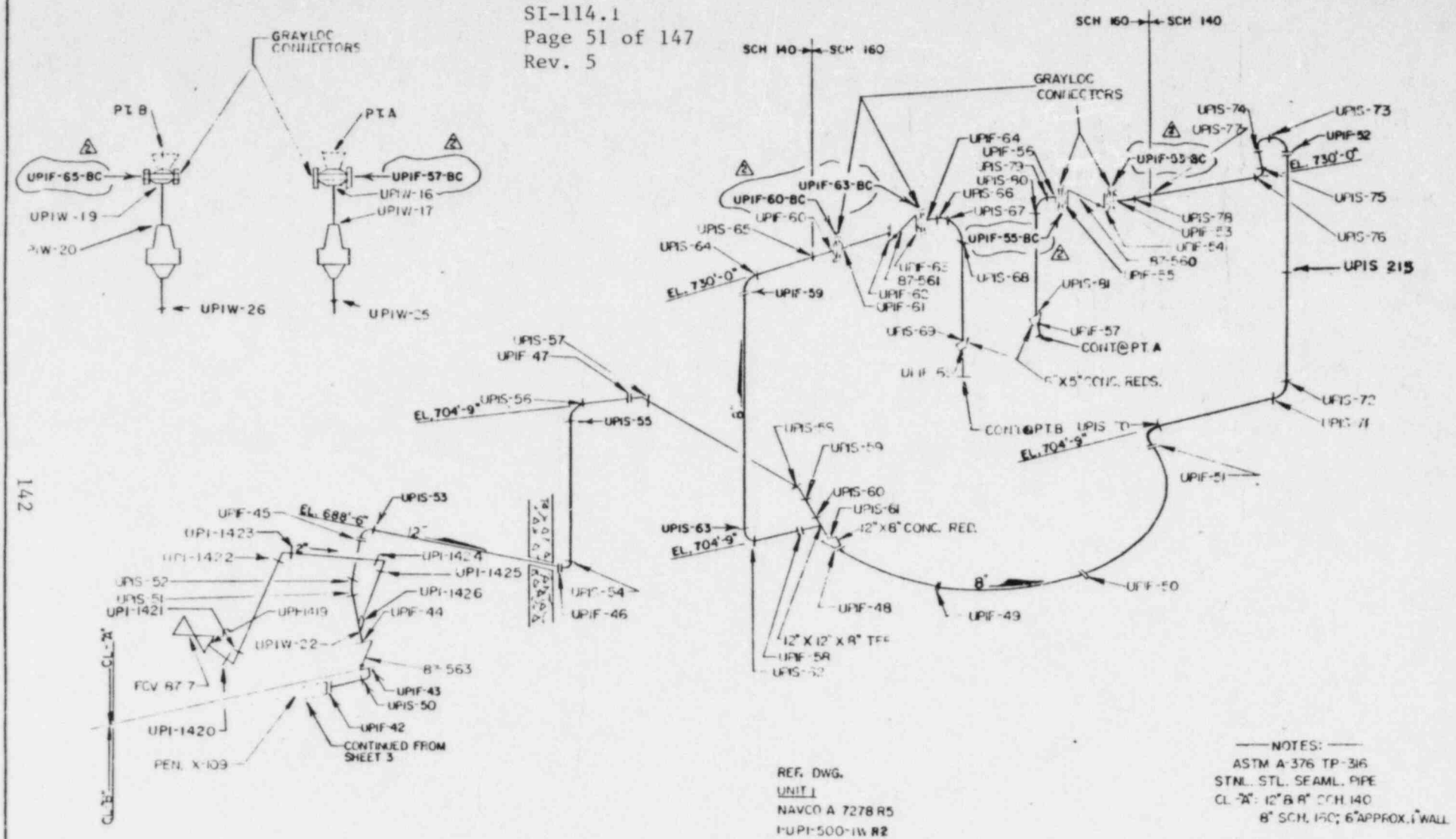
NO.	DATE	REVISIONS	BY	DATE
3	5-2-84	ADD BOLTED CONNECTION NUMBERS AND	[illegible]	[illegible]
2	6-29-82	ADD CLASS B WELDS & ELEVATIONS AND	[illegible]	[illegible]
1	2-19-82	CORRECT WELD NUMBERS AND	[illegible]	[illegible]

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE

SEQUOYAH NUCLEAR PLANT
UPPERHEAD INJECTION SYSTEM
UNIT 1

NTS | DWG | EDC | APP | 1 3 | CHM-2337-C | R3

141



142

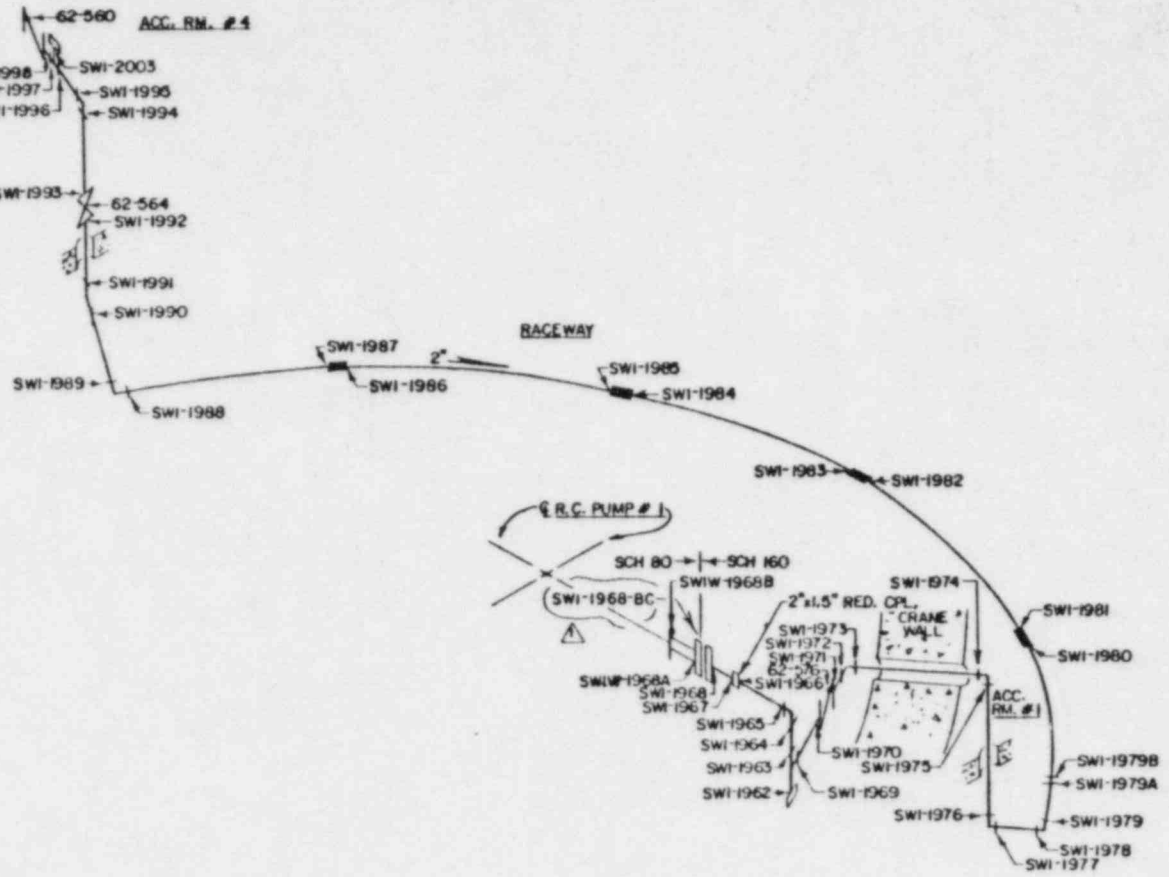
REF. DWG.
UNIT 1
NAVCO A 7278 R5
1-UPI-500-1W R2

NOTES:
ASTM A-376 TP-316
STNL. STL. SEAML. PIPE
CL. "A": 12"& 8" SCH. 140
8" SCH. 160; 6" APPROX. 1" WALL

AUX. H.J. ADD
UPPER SECTION-ASME SA-182-304
LOWER SECTION-ASME SB-166 INCONEL

NO	DATE	REVISIONS	CK'D	APP'D
2	5-2-84	ADD BOLTED CONNECTION NUMBERS, ADD		
1	4-29-82	ADD CLOSS & WELDS & ELEVATIONS, ADD		

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION
SEQUOYAH NUCLEAR PLANT
UNIT 1
DRN. ADC CHK. WSB
CHM-2337-C R2



NOTES
CLASS A
A376 TP 304 SEAMLESS S/S PIPE
2" SCH. 160
1.5" SCH. 160
1.5" SCH. 80

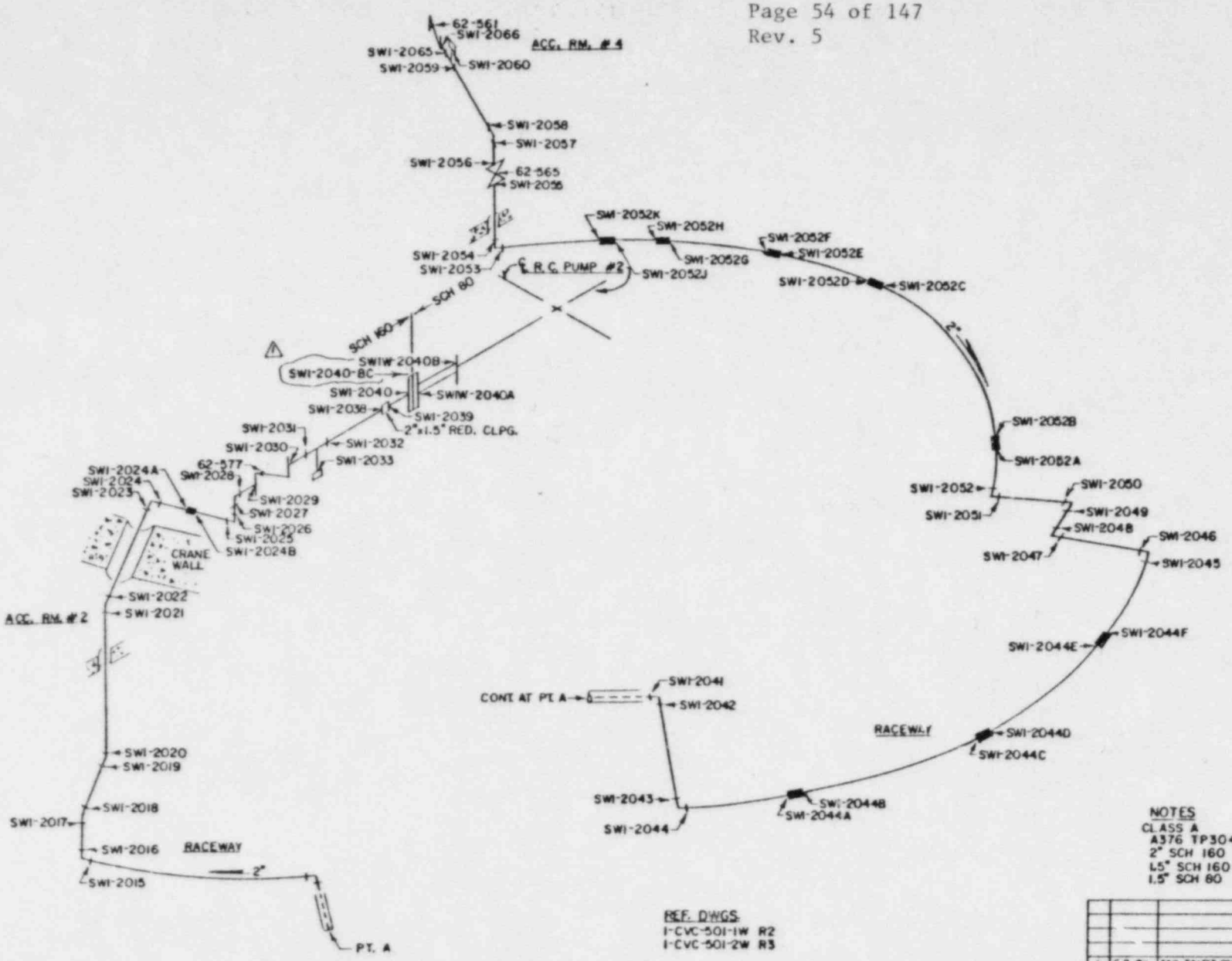
REF. DWG.
1-CVC-500-1W R5

NO.	DATE	REVISIONS	CK'D	APP
1	5-2-84	ADD BOXED CONNECTION NUMBER REV		

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION

SEQUOYAH NUCLEAR PLANT
UNIT 1
SEAL WATER INJECTION
(CHEMICAL AND VOLUME CONTROL SYSTEM)
R.C. PUMP # 1

SCALE NTS
DRAWN
APPR.
DATE
1-47W-CH-M-2338-C



NOTES
CLASS A
A376 TP304 SEAMLESS S/S PIPE
2" SCH 160
1.5" SCH 160
1.5" SCH 80

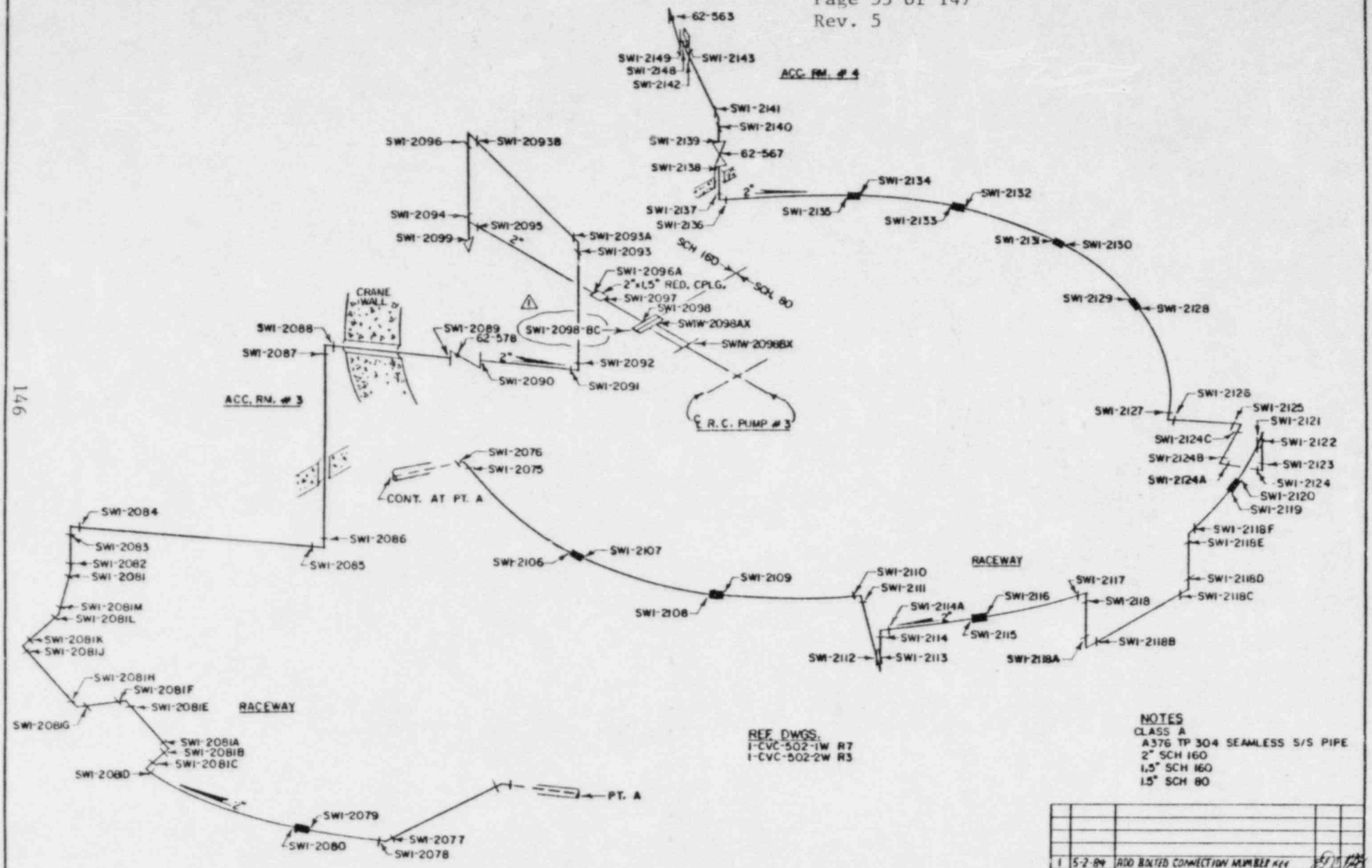
REF. DWGS
1-CVC-501-1W R2
1-CVC-501-2W R3

NO.	DATE	REVISIONS	CK'D	APP
1	5 2 84	100 BOLTED CONNECTION NUMBER ADD		

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION

SEQUOYAH NUCLEAR PLANT
UNIT 1
SEAL WATER INJECTION
(CHEMICAL AND VOLUME CONTROL SYSTEM)
R.C. PUMP # 2

SCALE NTS | DRAWN BLC | CHECKED | APPROVED | DATE 2 1 84 | CH-M-2338-C



REF. DWGS.
1-CVC-502-1W R7
1-CVC-502-2W R3

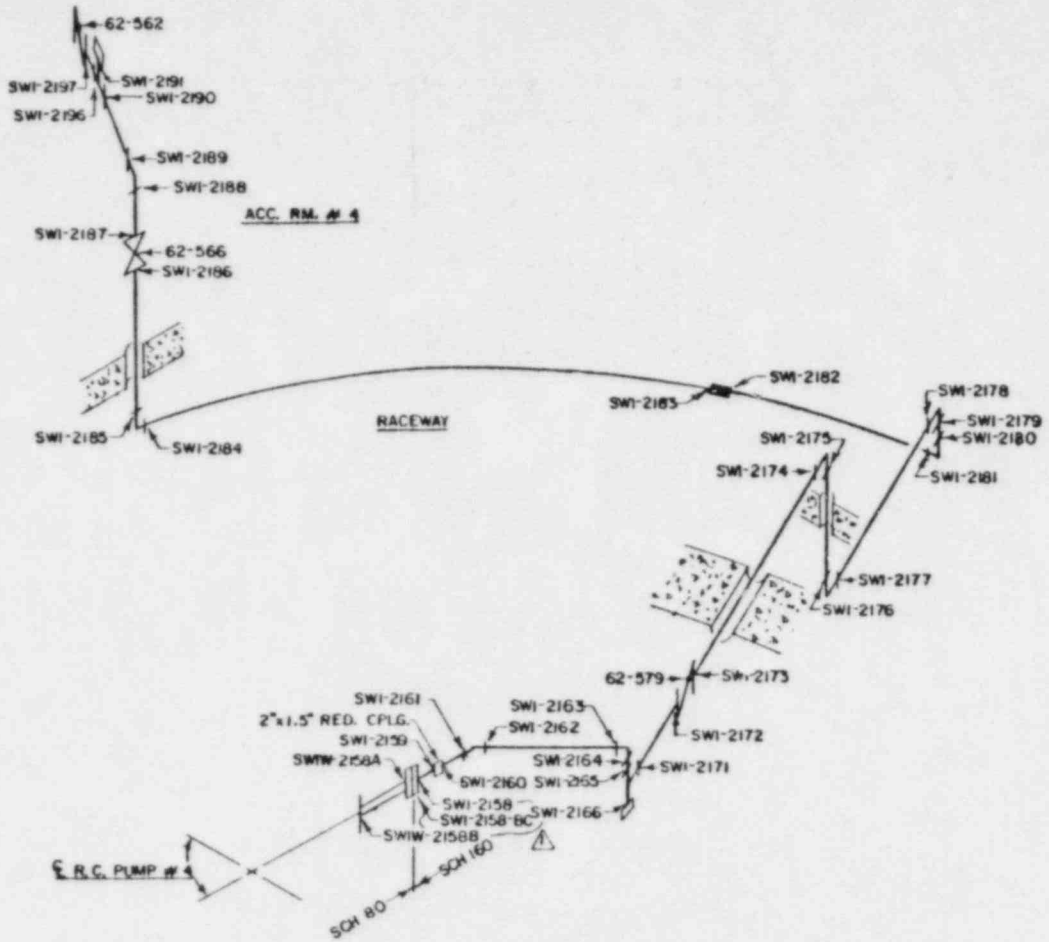
NOTES
CLASS A
A376 TP 304 SEAMLESS S/S PIPE
2" SCH 160
1.5" SCH 160
1.5" SCH 80

NO.	DATE	REVISIONS	CK'D	APP
1	5-2-84	ADD BOLTED CONNECTION NUMBER 444		

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION

SEQUOYAH NUCLEAR PLANT
UNIT 1
SEAL WATER INJECTION
(CHEMICAL AND VOLUME CONTROL SYSTEM)
R. C. PUMP # 3

DRAWING NO. 3 4 CH-M-2338-C R1



REQ. DWGS.
1-CVC-503-1W R5

NOTES
CLASS A
A376 TP 304 SEAMLESS S/S PIPE
2" SCH. 160
1.5" SCH. 160
1.5" SCH. 80

NO.	DATE	REVISIONS	CK'D/APP
1	5-2-84	ADD BOXED CONNECTION NUMBERS FOR	

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION

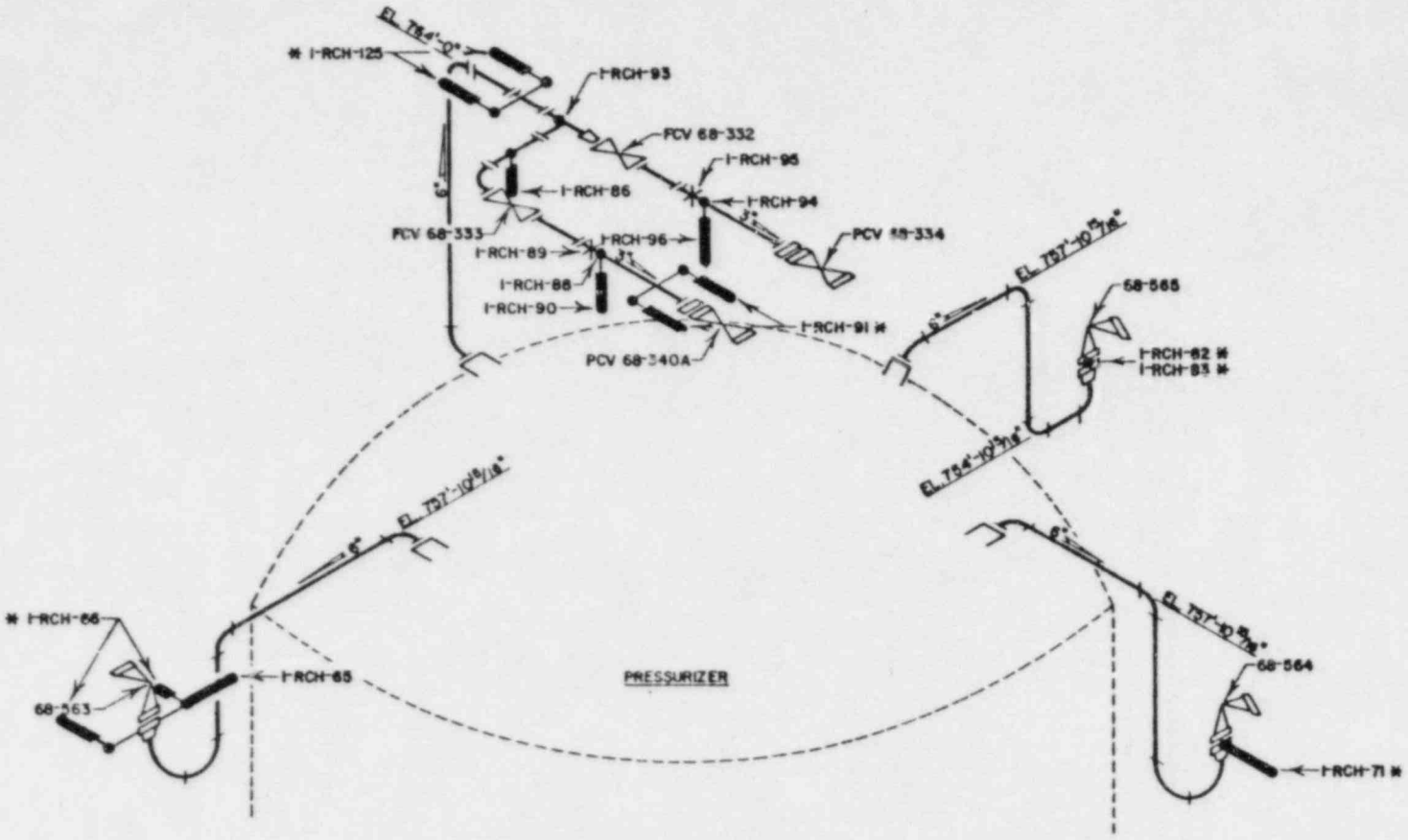
SEQUOYAH NUCLEAR PLANT
UNIT 1
SEAL WATER INJECTION
(CHEMICAL AND VOLUME CONTROL SYSTEM)
R. C. PUMP # 4

SCALE NTS | DRAWN EDC | TRACED BDB | DATE 4-4-84 | CHM-2338-C | R1

REFERENCE DRAWINGS
47K465-61
47K465-62

LEGEND
- RIGID SUPPORT
- SNUBBER
- RIGID STRUTT
- CONSTANT SUPPORT
- WELDED ATTACHMENTS

TVA SAFETY CLASS A

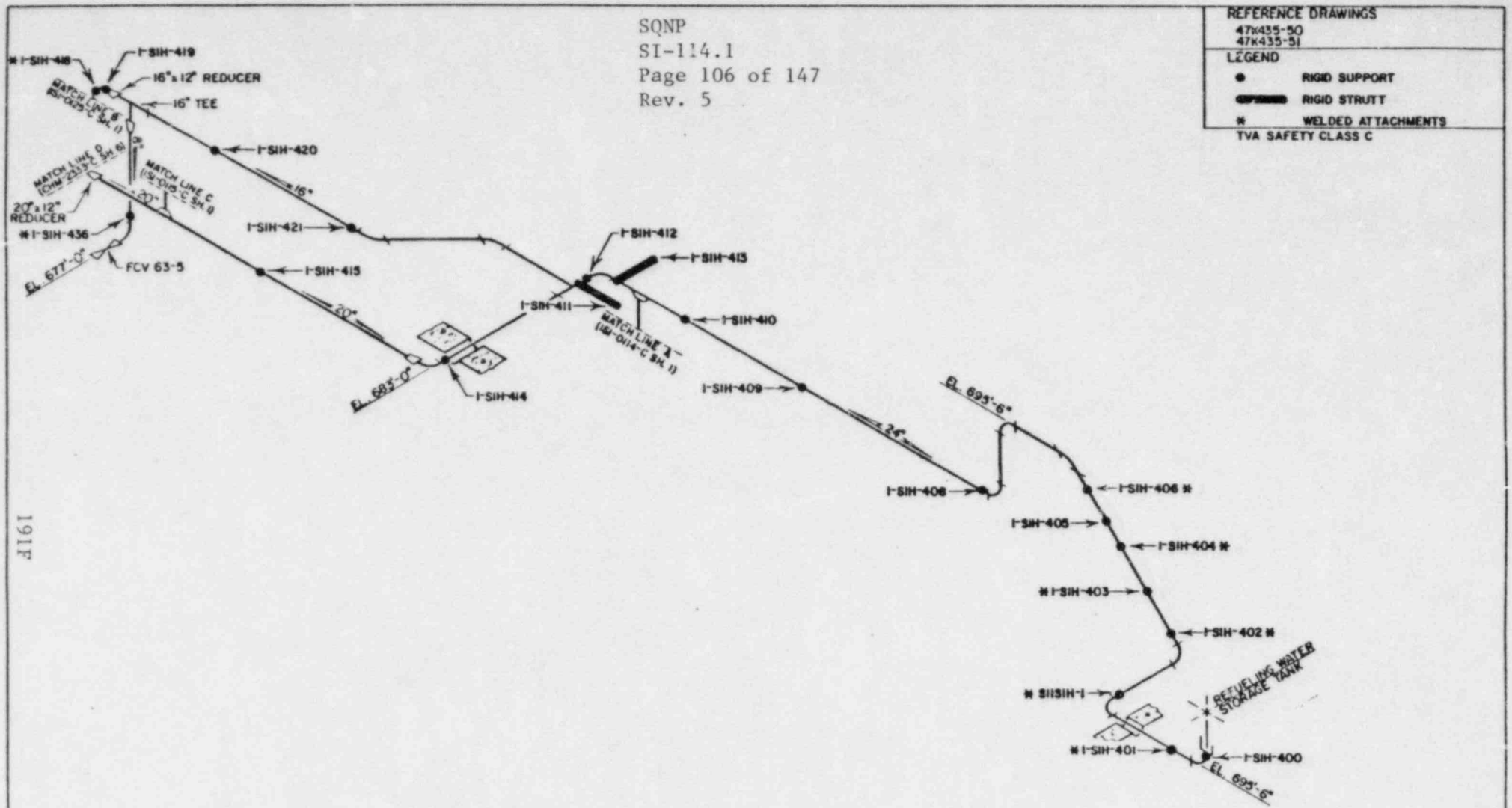


NO.	DATE	REVISIONS	CK'D	APP'D
2	5-2-84	REDRAWN (GENERAL REVISION)		
1	4-5-83	DELETE HANGERS (CORRECT HANGER NOS.)		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
REACTOR COOLANT SYSTEM
SUPPORT LOCATIONS

DRAWING 47W465-61 R2



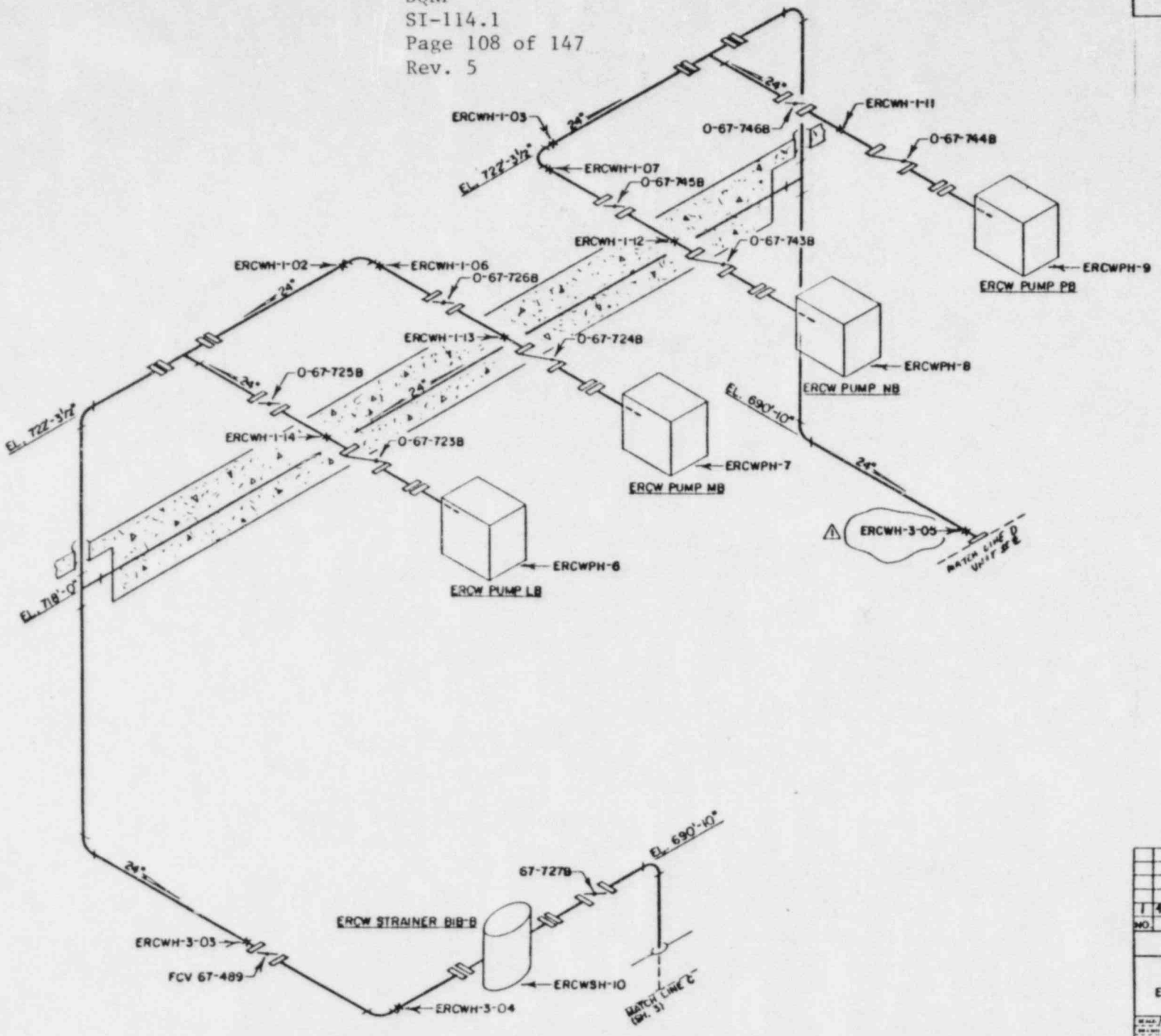
191F

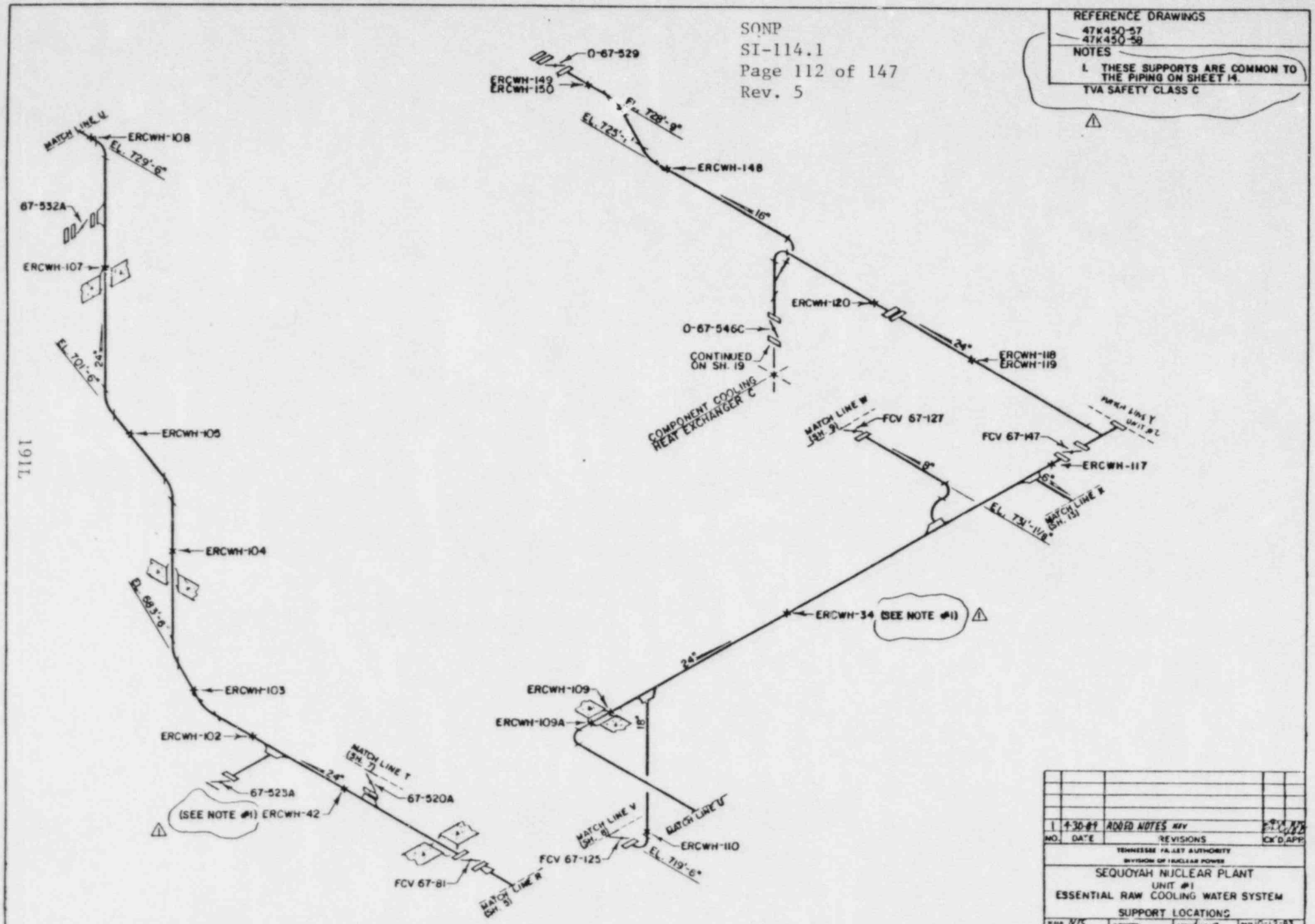
NO.	DATE	REVISIONS	CK'D	APP'D
1	5-2-84	ADD DELETE & CORRECT SUPPORT NOS AND ADD SUPPORT SYMBOLS		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
SAFETY INJECTION SYSTEM
SUPPORT LOCATIONS

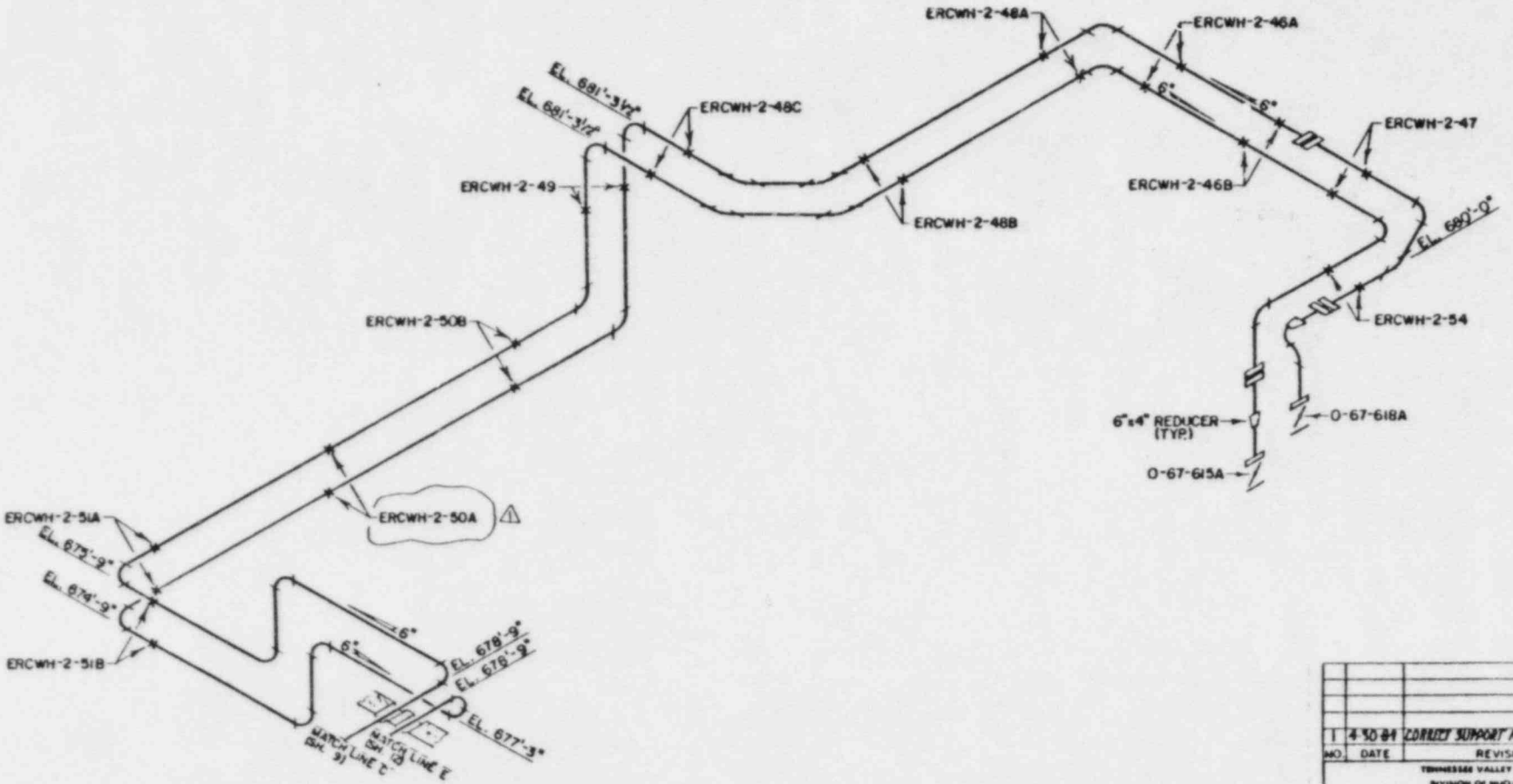
DRAWN NTS | TRACED | DESIGNED | DATE 6-18-83 | SHEET 2 OF 2 SHEETS | ISI-0116-C | R1


REFERENCE DRAWINGS
37K206-50
TVA SAFETY CLASS C
ERCWH-1-03
24"
EL. 722'-3½"
ERCWH-1-07
0-67-7458
ERCWH-1-11
0-67-7468
0-67-7448
ERCWPH-9
ERCW PUMP PB
ERCWH-1-12
0-67-7438
ERCWH-1-02
ERCWH-1-06
0-67-7268
ERCWH-1-13
0-67-7248
ERCWPH-8
ERCW PUMP NB
0-67-7258
ERCWH-1-14
0-67-7238
ERCWPH-7
ERCW PUMP MB
EL. 690'-10"
ERCWH-3-05
MATCH LINE D UNIT 2
ERCWPH-6
ERCW PUMP LB
EL. 718'-0"
ERCW STRAINER B1B-B
67-7278
ERCWH-3-03
FCV 67-489
ERCWSH-10
ERCWH-3-04
MATCH LINE C (SH. 3)
1 4-30-84 CORRECT HANGER NUMBER
NO. DATE REVISIONS
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS
ISI-0123-C


REFERENCE DRAWINGS
47K450-57
47K450-58
NOTES
1. THESE SUPPORTS ARE COMMON TO THE PIPING ON SHEET 14.
TVA SAFETY CLASS C
0-67-529
ERCWH-149
ERCWH-150
EL. 729'-8"
EL. 723'-1"
ERCWH-148
16"
ERCWH-120
24"
ERCWH-118
ERCWH-119
0-67-546C
CONTINUED ON SH. 19
COMPONENT COOLING HEAT EXCHANGER C
MATCH LINE W (SH. 3)
FCV 67-127
8"
FCV 67-147
MATCH LINE Y UNIT #2
ERCWH-117
16"
EL. 734'-11 1/8"
MATCH LINE X (SH. 13)
MATCH LINE U
ERCWH-108
EL. 729'-6"
67-532A
ERCWH-107
EL. 701'-6"
24"
ERCWH-105
ERCWH-104
EL. 693'-6"
ERCWH-103
ERCWH-102
MATCH LINE T (SH. 7)
24"
67-523A
(SEE NOTE #1) ERCWH-42
67-520A
ERCWH-34 (SEE NOTE #1)
24"
ERCWH-109
ERCWH-109A
18"
MATCH LINE V (SH. 6)
MATCH LINE U
ERCWH-110
EL. 719'-6"
FCV 67-125
FCV 67-81
MATCH LINE R (SH. 3)
1 4-30-84 ADDED NOTES KEV
NO. DATE REVISIONS BY D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS
10-12-83
ISI-0123-C
R1

1911

REFERENCE DRAWINGS
47W450 SERIES
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D
1	4-30-84	CORRECT SUPPORT NUMBER		

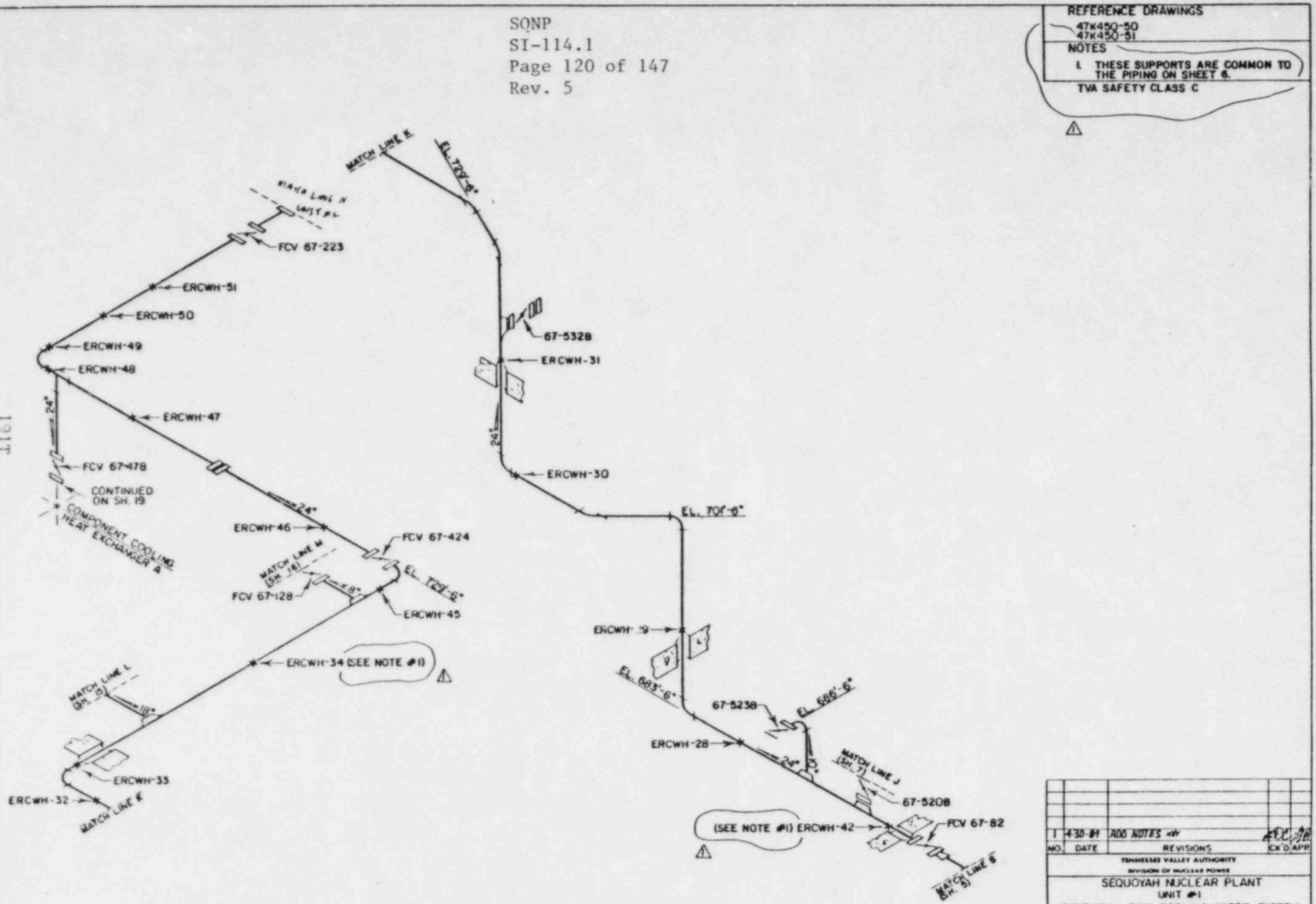
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

10-26-83

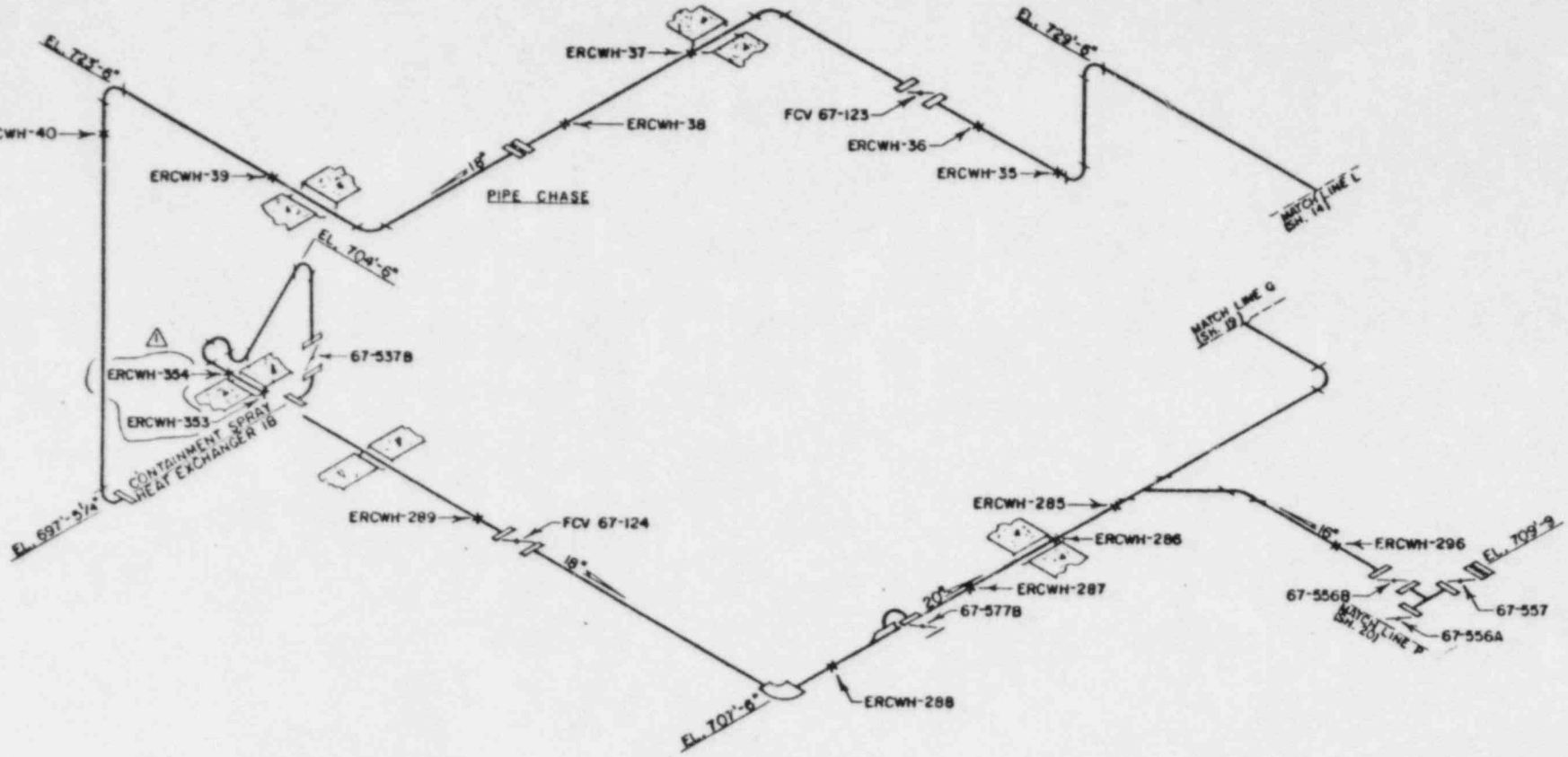
1SI-0123-C R1

1910


REFERENCE DRAWINGS
47K450-50
47K450-51
NOTES
1. THESE SUPPORTS ARE COMMON TO THE PIPING ON SHEET 6.
TVA SAFETY CLASS C
MATCH LINE E
EL. 729'-6"
MATCH LINE H (SH. 17)
FCV 67-223
ERCWH-51
ERCWH-50
ERCWH-49
ERCWH-48
ERCWH-47
24"
FCV 67-478
CONTINUED ON SH. 19
COMPONENT COOLING HEAT EXCHANGER A
ERCWH-46
24"
FCV 67-424
MATCH LINE M (SH. 16)
FCV 67-128
8"
EL. 729'-6"
ERCWH-45
ERCWH-34 (SEE NOTE #1)
MATCH LINE L (SH. 15)
18"
ERCWH-33
ERCWH-32
MATCH LINE E
67-5328
ERCWH-31
24"
ERCWH-30
EL. 709'-6"
ERCWH-29
EL. 689'-6"
67-5238
EL. 686'-6"
ERCWH-28
24"
MATCH LINE J (SH. 7)
67-5208
(SEE NOTE #1) ERCWH-42
FCV 67-82
MATCH LINE G (SH. 5)
1 4-30-84 ADD NOTES 4th
NO. DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS
10-26-83
ISI-0123-C
R1

191T

REFERENCE DRAWINGS
47K450-50
47K450-66
47K450-67
47K450-68
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP.
1	4-30-84	CORRECT SUPPORT NUMBERS AS		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

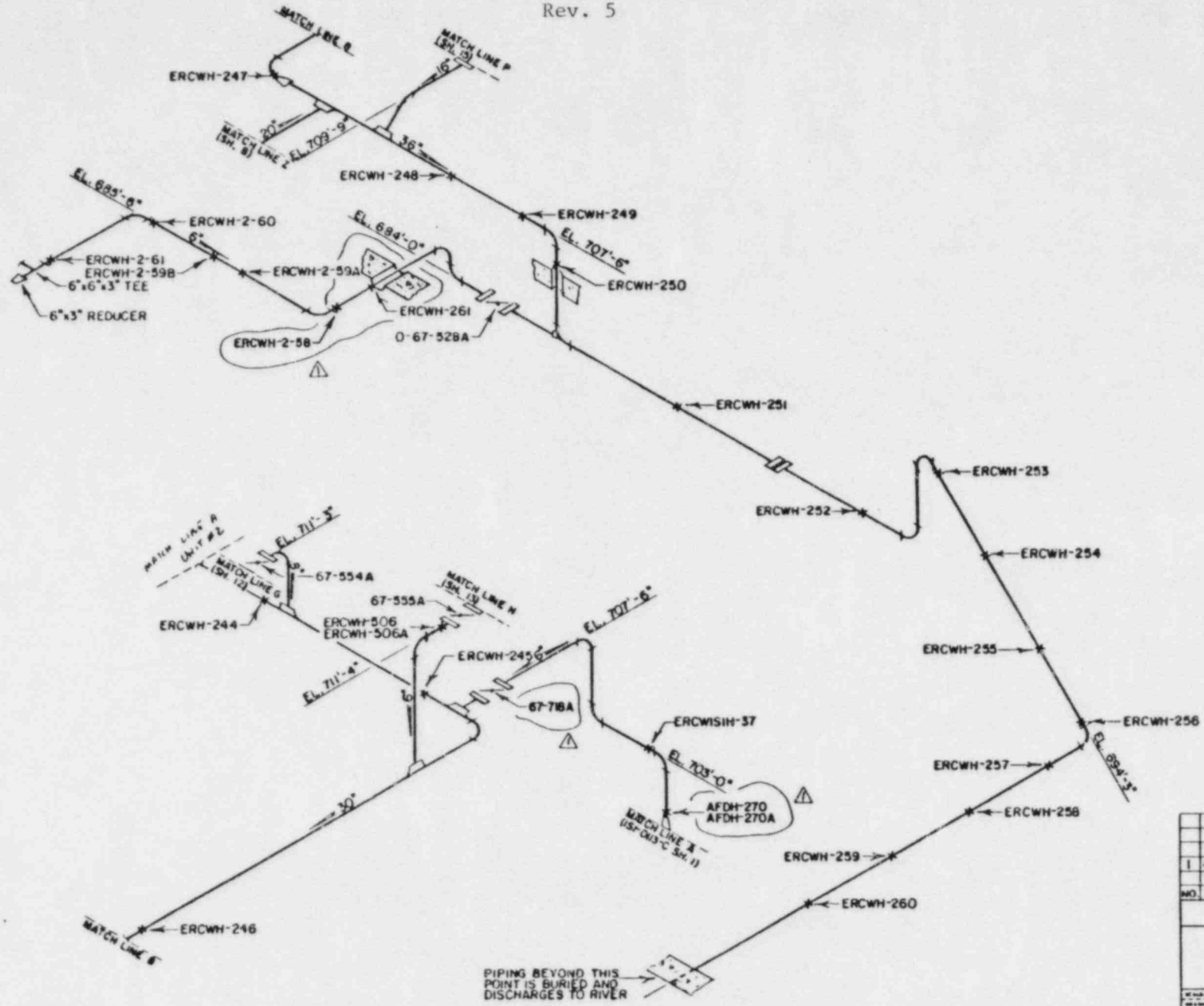
10-28-83

1SI-0123-C

R1

1911

REFERENCE DRAWINGS
47K450-67
47K450-69
47W450 SERIES
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D/APP'D
1	4-30-84	ADD SUPPORTS MOVED WALL AND CORRECTED VALVE NUMBER REV	

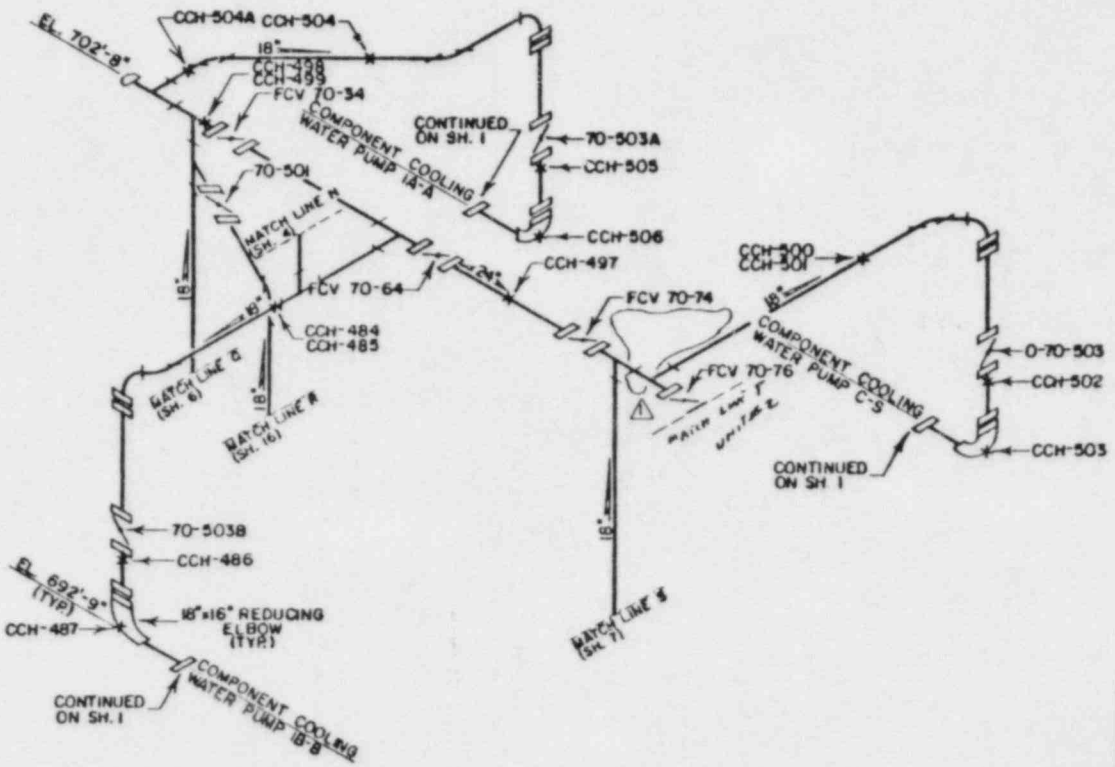
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
ESSETIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

10-22-81
SI-0123-C R1

1912

REFERENCE DRAWINGS
47K464-63
TVA SAFETY CLASS C



NO	DATE	REVISIONS	CK'D	APP'D
1	4-30-84	DELETE SUPPORT ARV		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

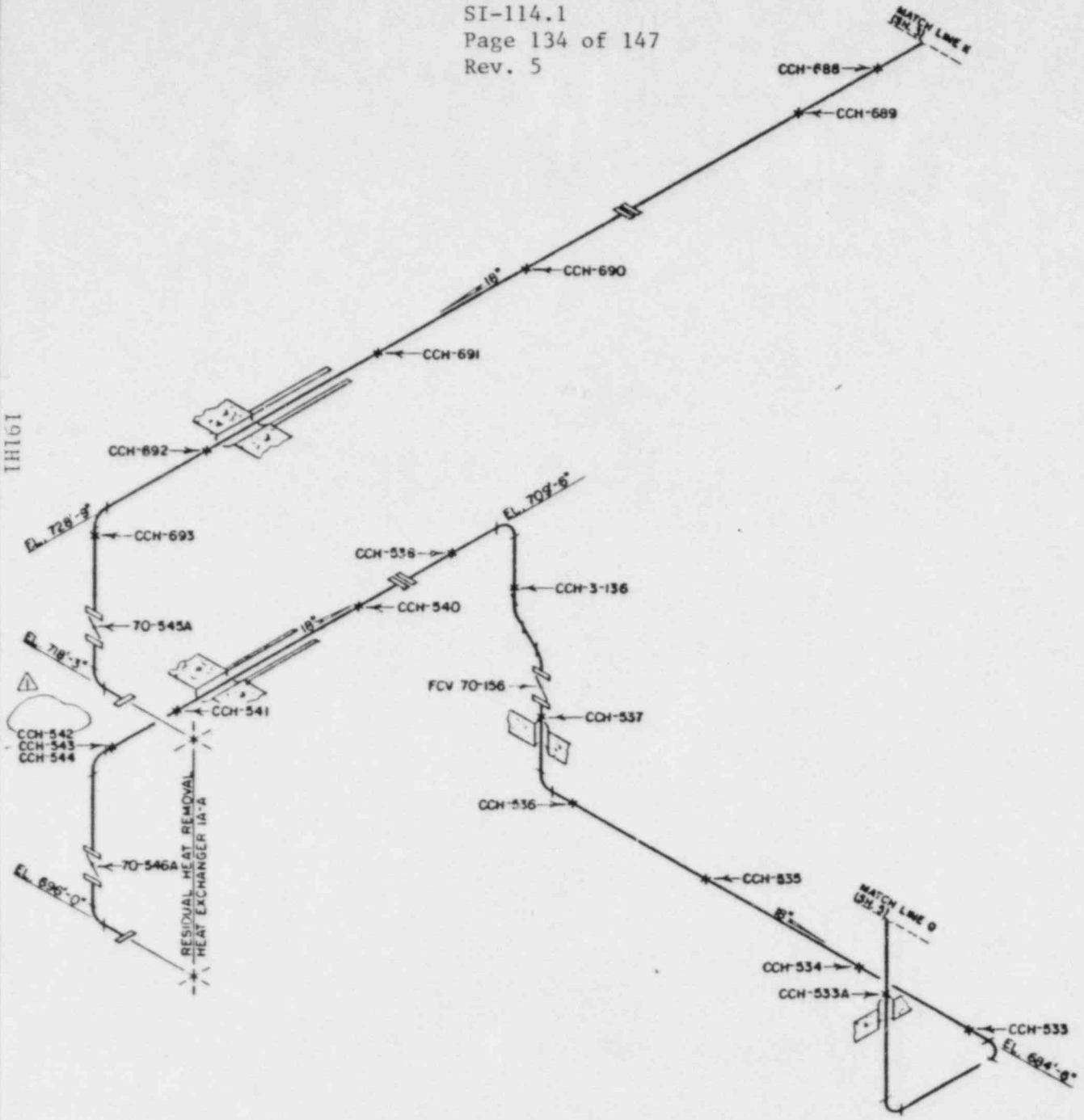
SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

			11 25 83
			1SI-0126-C

R1

191G1

REFERENCE DRAWINGS
47K464-54
47K464-67
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D/APP
1	4-30-87	DELETE SUPPORT KEY	EDC 22

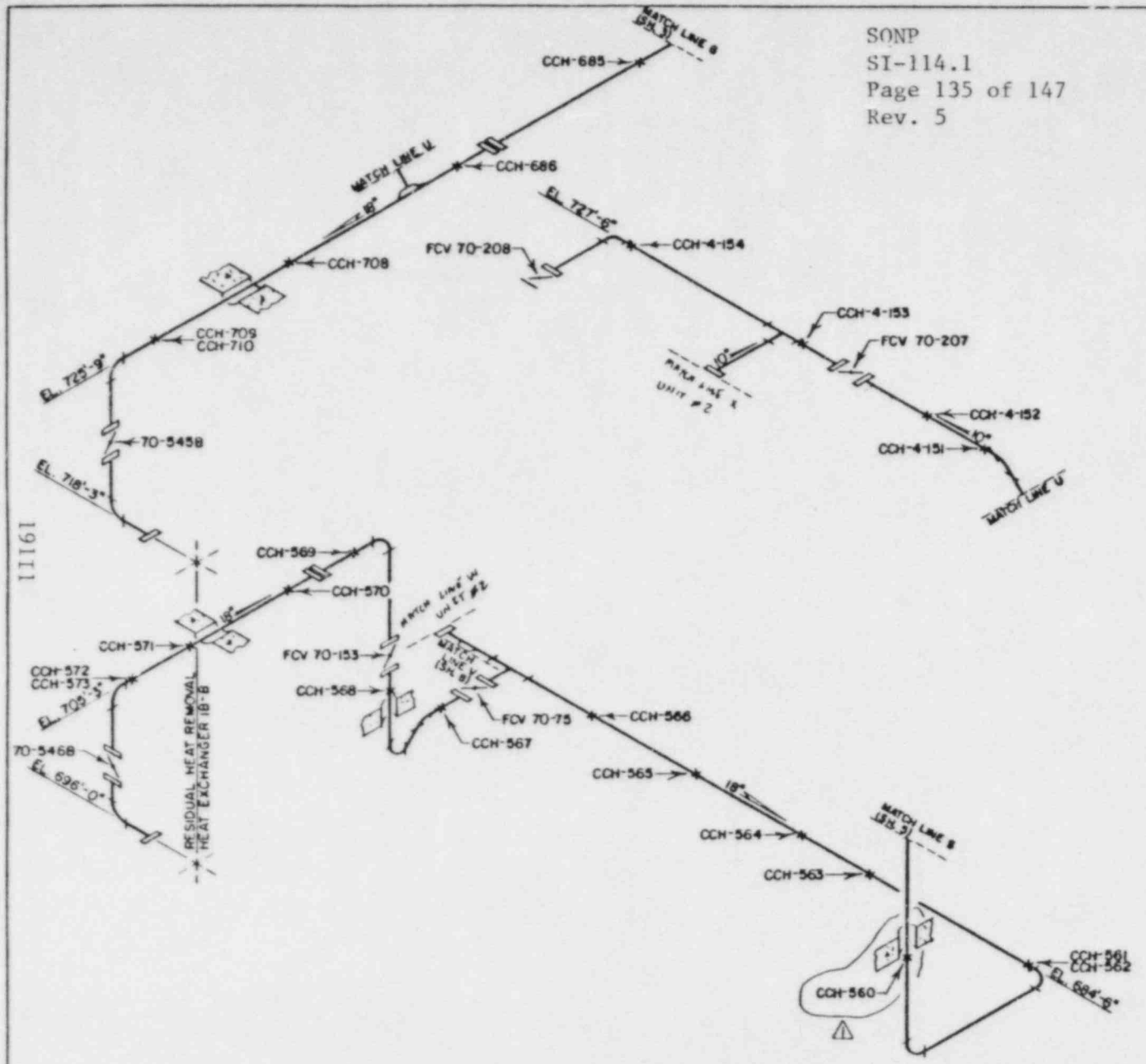
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

NTS
ACV
JWW EDC
2-5-85
ISI-0126-C
R1

1H161

REFERENCE DRAWINGS
47K464-54
47K464-65
47K464-94
TVA SAFETY CLASS C



19111

NO.	DATE	REVISIONS	CK'D APP'D
1	4-30-84	CORRECT SUPPORT LOCATION ADV	

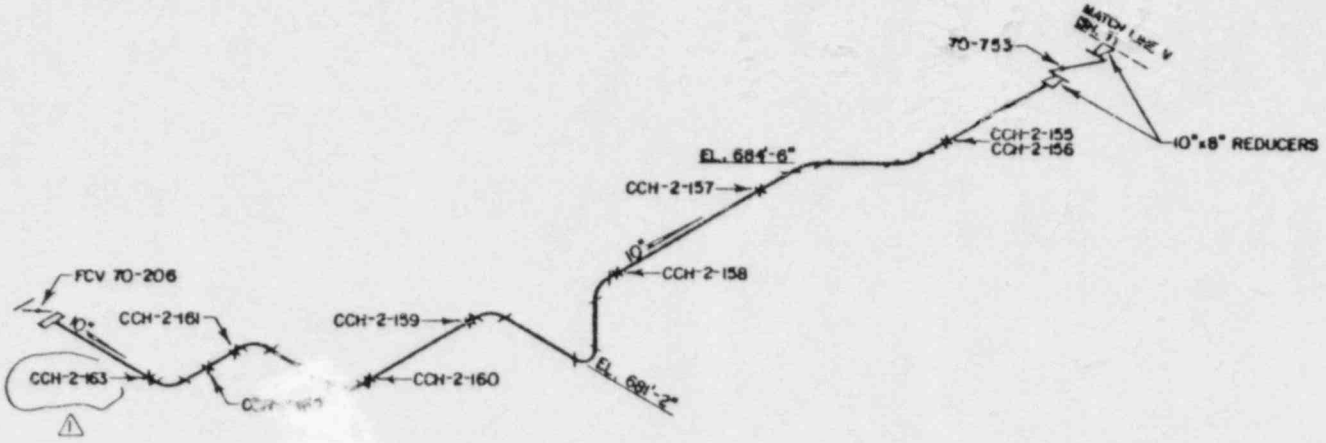
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

DESIGNED	DRAWN	TRACED	DATE 2-25-83
			ISI-0126-C

R1

REFERENCE DRAWINGS
47K464-93
TVA SAFETY CLASS C



191J1

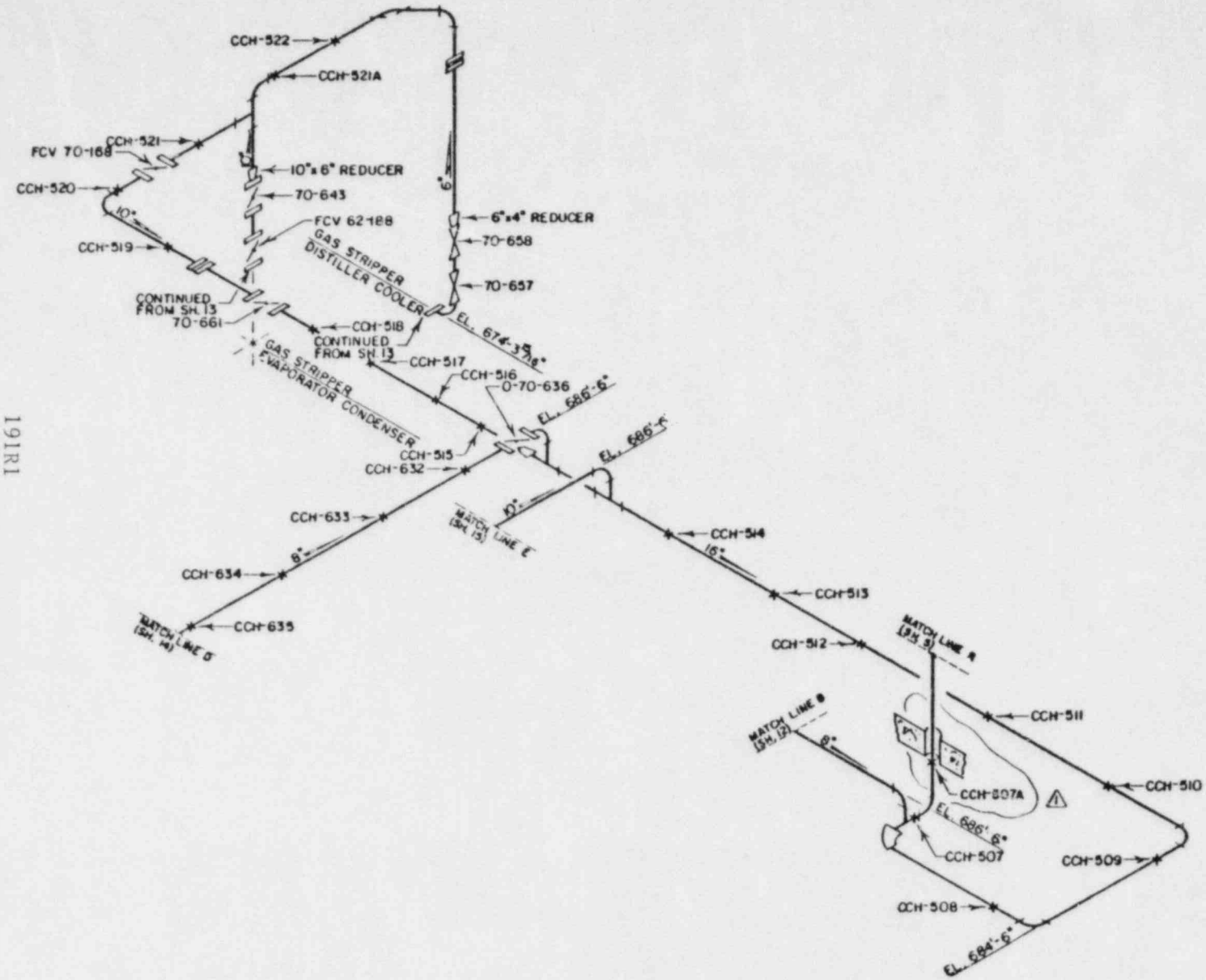
NO.	DATE	REVISIONS	CK'D/APP
1	4-30-84	CORRECT SUPPORT NUMBER HH	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

DESIGNED NO
DRAWN KEY
TRACED
DESIGN CHK
APPROVED
DATE 25-83
SHEET 8 OF 16
1SI-0126-C R1

REFERENCE DRAWINGS
47K464-64
47K464-70
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D
1	4-30-84	CORRECT SUPPORT LOCATION KIN	EXC	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

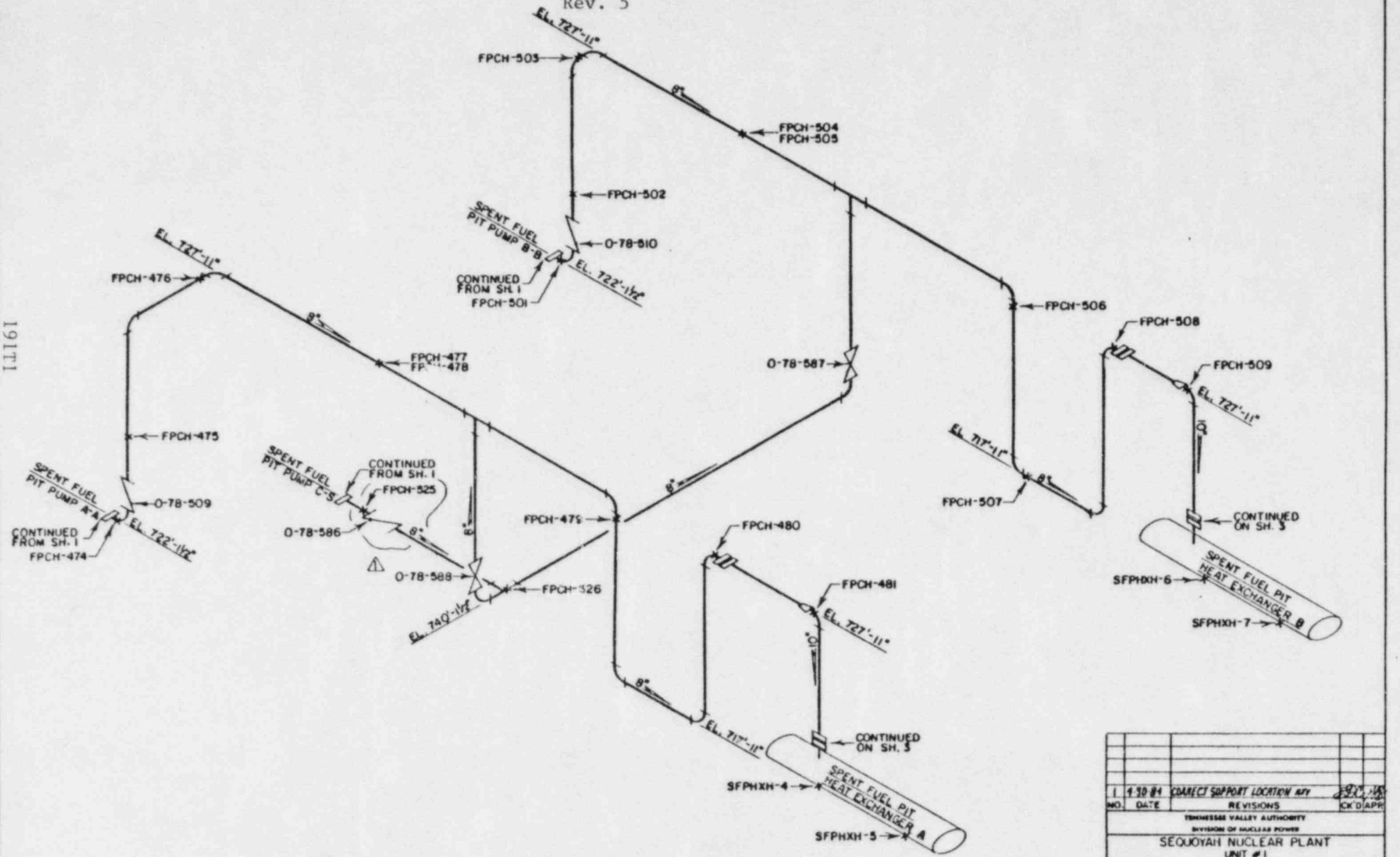
SEQUOYAH NUCLEAR PLANT
UNIT #1
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

DRAWN RLC 4-30-84
TRACED EXC
DESIGN EXC
CHECKED EXC
APPROVED WBB

1SI-0126-C R1

191R1

REFERENCE DRAWINGS
47K454-50
47K454-51
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D
1	9-30-81	CORRECT SUPPORT LOCATION KEY		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT # 1
FUEL POOL COOLING AND CLEANING SYSTEM
SUPPORT LOCATIONS

ISI-0127-C R1

191T1

ENCLOSURE 2

Inservice Inspection Program
for Sequoyah Nuclear Plant, Unit 2

Revisions 1 through 5 to SI-114.2

SI-114.2
HISTORY OF REVISIONS

Revision 1:

Pages: 61, 62, and 231

Revision 2:

In-Service Inspection Program Cover Sheet

Revision 3:

Pages: 61 and 62

Revision 4:

Table of Contents, 28, 29, 33, 49-52C, 62-67, 74, 82, 93, 95-99,
Appendix A: 119, 126, 130, 132, 135-137, 145-148, 164-167, 176, 177, 179,
180, 183, 185, 187, 196, 199, 200, 214, 215, 218, 228-283

Revison 5:

Pages: 122D, 282A-282A67, 284-331

16.3 Records for Class A, B, C, and D Components

The following records shall be available for review:

(1) Examination Plans

(2) Examination Results and Reports

(3) Examination Methods and Procedures

(4) Evaluation of Results

(5) Corrective Actions and Repairs

16.4 Records of System Pressure Tests

Records of the visual examinations conducted during system leakage or hydrostatic tests shall consist of an itemization of the number and location of leaks found in a system and the corrective actions taken.

16.5 Augmented Examination Reports

Augmented examination special reports shall be submitted to the Nuclear Regulatory Commission Region II Office within the time period specified for each report. For specific details on records, reports and reporting see section 20.0, Augmented Inspections, of this program.

17.0 NOTIFICATION OF INDICATION

Plant management shall be formally notified of the presence of unacceptable indications detected during the performance of nondestructive examinations. Unacceptable indications are defined by the applicable NDE procedure. Formal notification shall consist of completing and submitting to the Plant Superintendent the "Notification of Indication" form in Appendix D of this program.

Part I of the "Notification of Indication" shall be completed and signed by the NDE Level II or III examiner detecting the indication. The NDE Section representative shall assign a sequential number and review and sign the form. If the indication is detected by an outside contractor, the contractor's field supervisor shall review and sign the form. The original shall be sent to the plant superintendent and a copy to the ISI Programs Section.

The plant superintendent or his assistant shall designate the organization (Field Services, Plant Maintenance, or the Office of Engineering Design and Construction-OEDC) responsible for preparing a disposition in Part II of the form and performing the associated corrective action. If the organization assigned responsibility for disposition is unable to determine a satisfactory disposition then the form should be sent to the Mechanical Branch for disposition. The individual responsible for preparation of the disposition shall sign and date Part II of the form. The cognizant supervisor of the appropriate organization shall review and approve the disposition and sign and date Part II of the form. Copes of the form shall be distributed to the plant superintendent and the ISI Programs Section. The original shall be returned to the NDE Section Representative. One copy shall be filed with the examination report.

If the organization assigned responsibility for corrective action is within NUC PR, they shall evaluate the unacceptable condition and process, as appropriate, in accordance with the requirements of N-OQAM, Part III, Section 7.2. Dispositions to correct the condition under the plant maintenance program shall be processed in accordance with N-OQAM, Part II, Section 2.1. Dispositions other than restoring to original requirements shall be processed as modifications in accordance with N-OQAM, Part II, Section 3.0. Repair and replacement, activities, including coordination with the Authorized Inspection Agency (AIA), shall be performed in accordance with the requirements of N-OQAM, Part II, Section 2.3. Dispositions to accept the condition as-is shall include in Part II of the form the basis for the disposition. In addition for dispositions to accept the condition as-is, a USQD shall be prepared by the appropriate organization in accordance with established procedures. If Construction is responsible for corrective action, it shall be performed in accordance with the disposition on the Notification of Indication form and to organization responsible for corrective action shall include preservice examination requirements in the repair or replacement work instruction described in N-OQAM, Part II, Section 2.3.

Upon completion of corrective action the NDE Section Representative shall verify completion of corrective action, enter the work instruction and/or DCR numbers on the Notification of Indication form, enter the examination report number if re-examination was performed, and sign and date the form, Part III. The signed form shall remain with the examination report for use as a quality assurance record. If re-examination was performed, a copy of the signed form shall also remain with the re-examination report. Copies of the form shall also be distributed to the plant superintendent and the ISI Programs Section.

APPENDIX D

NOTIFICATION OF INDICATION

PART I - FINDINGS

NOI No. _____ Plant/Unit _____

Examination Report No. _____ Component ID _____

Delete Drawing No. _____

Description of Indication: (Sketch/Photograph if needed)

_____

_____

_____

Signature of Examiner/Certif. Level _____

Signature of Field Supervisor (Contractor) _____ Date

NDE Section Representative _____ Date

_____ Date

PART II-DISPOSITION

_____

_____

_____

Disposition Prepared By _____

Disposition Approved By _____ Date

PART III-VERIFICATION

Verification of Completed Corrective Action and/or Examination By NDE Section Repre tative

_____

_____

_____

Signature _____ Date _____

Inservice Inspection Program

Cover Sheet

Owner: Tennessee Valley Authority

Address of Corporate Office: Knoxville Office Complex
400 Commerce Avenue
Knoxville, Tennessee 37902

Name and Address of Nuclear Power Plant: Sequoyah Nuclear Plant
P.O. Box 2000
Daisy, Tennessee 37319

Applicable Nuclear Power Units: Sequoyah Nuclear Plant, Unit 2

Commercial Operation Date: June 1, 1982

16.3 Records for Class A, B, C, and D Components

The following records shall be available for review:

(1) Examination Plans

(2) Examination Results and Reports

(3) Examination Methods and Procedures

(4) Evaluation of Results

(5) Corrective Actions and Repairs

16.4 Records of System Pressure Tests

Records of the visual examinations conducted during system leakage or hydrostatic tests shall consist of an itemization of the number and location of leaks found in a system and the corrective actions taken.

16.5 Augmented Examination Reports

Augmented examination special reports shall be submitted to the Nuclear Regulatory Commission Region II Office within the time period specified for each report. For specific details on records, reports and reporting see section 20.0, Augmented Inspections, of this program.

17.0 NOTIFICATION OF INDICATION

Plant management shall be formally notified of the presence of unacceptable indications detected during the performance of nondestructive examinations (excluding VT-2, visual examinations performed during system pressure tests). Unacceptable indications are defined by the applicable NDE procedure. Formal notification shall consist of completing and submitting to the Plant Superintendent the "Notification of Indication" form in Appendix D of this program.

Part I of the "Notification of Indication" shall be completed and signed by the NDE Level II or III examiner detecting the indication. The NDE Section representative shall assign a sequential number and review and sign the form. If the indication is detected by an outside contractor, the contractor's field supervisor shall review and sign the form. The original shall be sent to the plant superintendent and a copy to the ISI Programs Section.

The plant manager or his assistant shall designate the organization (Field Services, Plant Maintenance), responsible for preparing a disposition in Part II of the form and performing the associated corrective action. If the organization assigned responsibility for dispostion is unable to determine a satisfactory disposition then the form should be sent to the Mechanical Branch for disposition. The individual responsible for preparation of the disposition shall sign and date Part II of the form. The cognizant supervisor of the appropriate organization shall review and approve the disposition and sign and date Part II of the form. Copies of the form shall be distributed to the plant superintendent and the ISI Programs Section. The original shall be returned to the NDE Section Representative. One copy shall be filed with the examination report.

If the organization assigned responsibility for repair is within NUC PR, they shall determine if the unacceptable condition is significant and potentially reportable in accordance with the requirements of N-OQAM, Part III, Section 7.2. Dispositions to correct the condition under the plant maintenance program shall be processed in accordance with N-OQAM, Part II, Section 2.1. Dispositions other than restoring to original requirements shall be processed as modifications in accordance with N-OQAM, Part II, Section 3.0. Repair and replacement activities, including coordination with the Authorized Inspection Agency (AIA), shall be performed in accordance with the requirements of N-OQAM, Part II, Section 2.3. Dispositions to accept the condition as-is shall include in Part II of the form the basis for the disposition. In addition for dispositions to accept the condition as-is, a USQD shall be prepared by the appropriate organization in accordance with established procedures. The organization responsible for corrective action shall include preservice examination requirements in the repair or replacement work instruction described in N-OQAM, Part II, Section 2.3.

Upon completion of corrective action the NDE Section Representative shall verify completion of corrective action, enter the work instruction and/or DCR numbers on the Notification of Indication form, enter the examination report number if re-examination was performed, and sign and date the form, Part III. The signed form shall remain with the examination report for use as a quality assurance record. If re-examination was performed, a copy of the signed form shall also remain with the re-examination report. Copies of the form shall also be distributed to the plant superintendent and the ISI Programs Section.

TABLE OF CONTENTS

TABLE OF CONTENTS

All of the bolts from each pump shall be ultrasonically examined during the inspection interval. The bolts may be examined in place under tension or when removed. All of the bolts from one pump shall be examined during the first inspection period, and all of the bolts from a different pump shall be examined during the second inspection period. All of the bolting from the two remaining pumps shall be examined during the third inspection period.

Removed, the bolts shall be ultrasonically and magnetic particle examined. This examination needs to be performed only once during the inspection interval and may be deferred to the third inspection period. Provisions for this examination are included in MI-2.2.

When a main flange connection is disassembled, the threads in the base material and flange ligaments between threaded bolt holes shall be visually examined in accordance with visual examination method VT-1 (see Section 11.1). Provisions for this examination are included in MI-2.2.

The main flange bolts are fabricated of 4340 steel, heat treated to A-540, Gr B24.

7.5.2 RCP Pressure Retaining Bolting 2 Inches and Smaller in Diameter

Each RCP includes two sets of pressure retaining bolting 2 inches and smaller in diameter. The bolting sets include the number 1, and 2 seal assembly bolting The number 1 and 2 seal assembly bolting from each pump shall be visually examined in accordance with visual examination method VT-1 (see Section 11.1).

The bolting may be examined in place under tension or when removed. It is preferable to perform the examinations when the bolts are removed if the connection(s) is disassembled. Removal of bolting is performed in accordance with MI-2.1 and provides for examination of bolting.

All of the bolting from one RCP shall be examined during the first inspection period, and all of the bolting from a different pump shall be examined during the second inspection period. All of the bolting from the remaining two pumps shall be examined during the third inspection period.

The number 1, and 2 seal housing bolting includes 12 socket head cap screws at 2 inches in diameter, 12 socket head cap screws at 1 inch in diameter, respectively.

7.5.3 RCP Integrally-Welded Support Members

There are three unit 2 reactor coolant pumps, serial numbers 566 (RCP-1 casing), 704 (RCP-3 casing), and 709 (RCP-4 casing), with integrally welded supports. Each pump has three integrally welded pump feet. These integrally welded pump feet whose design base is $\geq$ 5/8 of an inch shall be surface examined during the inspection interval in accordance with Table A of Appendix A. The examination shall cover 100 percent of the required area of each support attachment.

All of the supports from one RCP shall be examined during the first inspection period, and all of the supports from a different pump shall be examined during the second inspection period. All of the supports from the remaining two pumps shall be examined during the third inspection period.

7.5.4 RCP Component Supports

Each RCP includes three integrally cast pump feet bolted to the support system. All component supports from each pump shall be visually examined during the inspection interval in accordance with visual examination method VT-3 (see Section 11.1). Support components extend from the RCP to and including the attachment to the supporting structure.

All of the supports from one RCP shall be examined during the first inspection period, and all of the supports from a different pump shall be examined during the second inspection period. All of the supports fromthe remaining two pumps shall be examined during the third inspection period.

7.5.5 RCP Casing Welds

The unit 2 reactor coolant pumps do not include casing welds.

7.5.6 RCP Casing

If a pump is disassembled for maintenance during the inspection interval, the internal pressure boundary surfaces shall be visually examined in accordance with visual examination method VT-1 (see Section 11.1). Disassembly of RCP's is performed in accordance with MI-2.2 and provides for these visual examinations.

Components that are exempted from examination in accordance with IWC-1220 of ASME Section XI are discussed in Section 8.7 of this program.

Where examinations specify a percentage of the total length of weld to be examined, the areas(s) examined shall be documented in the examination report. Where a percentage of weld length is not referenced, the entire weld length shall be examined. (See Request for Relief ISI-3.)

Table B in Appendix A supplies additional information such as reference drawing numbers and ASME Section XI Table-IWC-2500-1 examination categories.

8.1 Steam Generators (4)

8.1.1 Steam Generator Secondary Side Circumferential Shell Welds

There are three circumferential shell welds at gross structural discontinuities on each generator. The entire length of these three shell welds from one steam generator shall be ultrasonically examined during the inspection interval. The number of welds to be examined during each inspection period shall be in accordance with Table B of Appendix A.

One of the three welds on each steam generator is partially inaccessible for examination due to the upper steam generator support arrangement (weld nos. SGW-D1, D2, D3, and D4; see Request for Relief ISI-4). The weld selected for examination shall be ultrasonically examined on a best-effort basis.

The vessel shell sections are fabricated of SA-533, GR. A, Class 1, steel plate.

8.1.2 Steam Generator Secondary Side Circumferential Head Welds

Each steam generator includes a circumferential head-to-shell weld. The entire length of one head-to-shell weld shall be ultrasonically examined during the inspection interval in accordance with Table B of Appendix A. The weld selected for examination may be from the generator selected for examination by Section 8.1.1.

The vessel head section is fabricated of SA-533, GR. A, Class 1, steel plate.

Two of the supports from one RHRP shall be examined during the first inspection period. The final (3rd) support from the same RHRP shall be examined during the second inspection period. All of the supports from the remaining RHRP shall be examined during the third inspection period.

8.10.1.3 RHRP Supports - Mechanical and Hydraulic

There are no mechanical and hydraulic supports associated with the RHRP.

8.10.1.4 RHRP Pressure Retaining Bolting

The stuffing box extension to pump casing connection bolting is not greater than two inches in diameter.

The connection includes 24 studs at 1-1/4 inches in diameter with nuts and washers. The studs are fabricated to SA-193, GR. B7, and the nuts to SA-194, GR. 2H.

8.10.1.5 RHRP Casing Welds

The RHRP does not include any casing welds. The casing is a one piece forging fabricated to SA-182, F304.

8.10.2 CVCS Centrifugal Charging Pumps (2) CCP

8.10.2.1 CCP-Integrally-Welded Supports

Each CCP includes four integrally-welded supports whose design base is greater than 3/4 inch thick. These supports shall be surface examined during the inspection interval in accordance with Table B of Appendix A.

8.10.2.2 CCP-Component Supports

Each CCP includes 4 integrally-welded feet bolted to the support system. All component supports shall be visually examined during the inspection interval in accordance with visual examination method VT-3 (see section 11.1). The examination shall be distributed during the inspection interval in accordance with Table B of Appendix A. Support components extend from the CCP to and including the attachment to the supporting structure.

8.10.2.3 CCP Supports - Mechanical and Hydraulic

There are no mechanical and hydraulic supports associated with the CCP.

8.10.2.4 CCP PRessure Retaining Bolting

There is no CCP bolting greater than two inches in diameter.

8.10.2.5 CCP-Casing Welds

The CCP casing does not include any casing welds. The casing consists of an upper and lower housing fabricated to SA-182 F304.

8.10.3 CVCS Positive Displacement Pump (1) PDP/Reciprocating Charging Pump

8.10.3.1 PDP Integrally-Welded Supports

There are no integrally-welded supports associated with the PDP.

8.10.3.2 PDP Component Supports

The PDP includes a support component bolted to the pump feet which are integrally forged with the pump. The component support shall be visually examined during the inspection interval in accordance with visual examination method VT-3 (see section 11.1). The examinations shall be distributed during the inspection interval in accordance with Table B of Appendix A. Support components extend from the PDP to and including the attachment to the supporting structure.

8.10.3.3 PDP Supports - Mechanical and Hydraulic

There are no mechanical and hydraulic supports associated with the PDP.

8.10.3.4 PDP Pressure Retaining Bolting

The cylinder tie, cylinder head and valve cover, and the stuffing box flange bolting connections are not greater than 2 inches in diameter.

The connection includes 8 studs at 1-1/8" in diameter with nuts and washers for the cylinder ties; 40 cylinder head and valve cover studs at 1¼" in diameter with nuts and washers; and 20 studs at 1¼" in diameter with nuts and washers for the stuffing box flange. The studs are fabricated to SA-193 GRB7 and the nuts to SA-194, GR7.

8.10.3.5 PDP Casing Welds

The PDP casing does not include any casing welds. The casing is fabricated to SA-182 F304, SA-204 Type 304, SA-479 T304, and SA-479, 410.

8.10.4 Safety Injection Pumps (2)-SIP

8.10.4.1 SIP Integrally-Welded Supports

There is no integrally-welded supports associated with the SIP.

8.10.4.2 SIP Component Supports

Each SIP includes a support component bolted to the pump casing. All component supports from each pump shall be visually examined during the inspection interval in accordance visual examination method VT-3 (see section 11.1). The examinations shall be distributed during the inspection interval in accordance with Table B of appendix A. Support components extend from the SIP to and including the attachment to the supporting structure.

8.10.4.3 SIP Supports - Mechanical and Hydraulic

There are no mechanical and hydraulic supports associated with SIP.

8.10.4.4 SIP Pressure Retaining Bolting

The SIP case capnuts are not greater than 2 inches in diameter. The casing bolting includes 32 studs at 2 inches in diameter with nuts and washers and 10 studs at 1½ inches in diameter with nuts and washers. The studs are fabricated to SA-193, GRB7 and the nuts to SA-194, GR7.

8.10.4.5 SIP Casing Welds

The SIP casing does not include any casing welds. The casing consists of upper and lower housing fabricated to A351 GF8.

8.11 Valves

8.11.1 Valve Integrally-Welded Supports

Examination of valve integrally-welded support members is included in Section 8.3.3.

8.11.2 Valve Component Supports

Examination of valve component supports is included in Section 8.3.4.

8.11.3 Valve Pressure-Retaining Bolting

There is no Class B pressure-retaining bolting greater than 2 inches in diameter.

8.11.4 Valve Body Welds

There are no Class B valves with body welds.

8.12 Pressure Retaining Components

All Class B pressure retaining components in systems or portions of systems which are not required to operate during normal reactor operation but for which periodic system or component functional tests are required (excluding open-ended portions of systems), shall be subjected to a system functional leakage test with each inspection period in accordance with IWC-5221 of ASME Section XI. This is performed in accordance with SI's to be developed later. Those Class B pressure retaining components in systems or portions of systems not subject to the functional leakage tests (excluding open-ended portions of systems), shall be subjected to a system hydrostatic test with each inspection interval in accordance with IWC-5222 of ASME Section XI. This is performed in accordance with SI-265.3. The components shall be visually examined during the pressure tests in accordance with visual examination method VT-2 (see Section 11.1). All Class B (ASME Class 2) system pressure tests shall be performed in accordance with DPM SEQ82E1.

8.13 Exempted Components

8.13.1 Exempted Components (Except Piping Welds)

Components exempted from examination include: (1) Components in systems where both the design pressure and temperature are equal to or less than 275 psig and 200°F, respectively; (2) components in systems or portions of systems, other than emergency core cooling

systems, which do not function during normal reactor operation; (3) components which perform an emergency core cooling function for which the control of the chemistry of the contained fluid is verified by periodic sampling and test, and (4) component connections, piping, and associated valves, and vessels (and their supports), that are 4-inch nominal pipe size and smaller.

8.13.2 Exempted Components (Piping Welds Only)

Piping exempted from examination include: (a) Piping systems where both the design pressure and temperature are equal to or less than 275 psig and 200°F, respectively; (b) piping systems or portions of systems other than emergency core cooling systems which do not function during normal reactor operation; (c) piping that is 4-inch nominal pipe size and smaller; (d) components which perform an emergency core cooling function provided the control of the chemistry of the contained fluid is verified by periodic sampling and test.

9.0 COMPONENTS SUBJECT TO EXAMINATION - TVA SAFETY CLASS C AND D

Class C and D (ASME Class 3) pressure retaining components identified in sections 9.1.1 and 9.1.2 shall be visually examined, VT-2, in conjunction with the system pressure test in accordance with IWA-5000, IWD-2000, and IWD-5000.

The component supports and restraints within the boundaries identified in sections 9.1.1 and 9.1.2 for components exceeding 4-inch nominal pipe size shall be visually examined, VT-3, during each inspection period.

Mechanical and hydraulic snubbers, spring loaded and constant weight supports within the boundaries identified in sections 9.1.1 and 9.1.2 for components exceeding 4-inch nominal pipe size shall be visually examined, VT-4, during each inspection period.

9.0.1 Piping and Valve Component Supports

All piping and valve component supports shall be visually examined during each inspection period in accordance with visual examination methods VT-3 and VT-4 (see Section 11.1). This examination includes integrally-welded and nonintegrally-welded component supports. Component supports extend from the piping and valves to and including the attachment to the supporting structure. The setting of snubbers, shock absorbers and spring-type hangers shall be verified. The examinations (100%) shall be conducted during each inspection period during the inspection interval in accordance with Table C of Appendix A.

9.0.1.1 Auxiliary Feedwater System Piping and Valve Component Supports

The auxiliary feedwater system piping includes 20 component supports. All of these shall be examined during each inspection period.

9.0.1.2 Chemical and Volume Control System Piping and Valve Component Supports

The chemical and volume system piping includes six component supports. All of these shall be examined during each inspection period.

9.0.1.3 Component Cooling System Piping and Valve Component Supports

The component cooling system piping includes 205 component supports. All of these shall be examined during each inspection period.

9.0.1.4 Containment Spray System Piping and Valve Component Supports

The containment spray system piping including 27 component supports. All of these shall be examined during each inspection period.

9.0.1.5 Essential Raw Cooling Water System Piping and Valve Component Supports

The essential raw cooling water system piping includes 211 component supports. All of these shall be examined during each inspection period.

9.0.1.6 Fuel Pool Cooling System Piping and Valve Component Supports

The fuel pool cooling system component supports are examined in accordance with SI-114.1, Unit 1 program.

9.0.1.7 Residual Heat Removal System Piping and Valve Component Supports

The residual heat removal system piping includes seven component supports. All of these shall be examined during each inspection period.

9.0.1.8 Safety Injection System Piping and Valve Component Supports

The safety injection system piping includes 26 component supports. All of these shall be examined during each inspection period.

9.1 System Pressure Tests

All Class C and D (ASME Class 3) system pressure tests shall be performed in accordance with DPM SEQ82E1.

9.1.1 System Inservice Tests

Pressure retaining components within the boundary of systems or portions of systems required to operate in support of normal plant safety functions of shutting down and maintaining the reactor in the cold shutdown condition, and pressure retaining piping, pumps, and valves within the boundary or systems or portions of systems required to operate in support of residual heat removal from spent fuel storage pool, shall be visually examined in accordance with visual examination method VT-2 (see section 11.1) while the applicable systems are in service under operating pressure in accordance with IWD-5221 of ASME Section XI.

These examinations and tests shall be performed during each inspection period.

9.1.2 System Functional Tests

Pressure retaining components within the boundary of systems or portions of systems required to operate in support of the postaccident safety functions of emergency core cooling, containment heat removal and atmospheric cleanup, and long-term residual heat removal from the reactor vessel shall be visually examined in accordance with visual examination method VT-2 (see Section 11.1) during a system functional test conducted to verify operability in systems in accordance with IWD-5222 of ASME Section XI.

9.1.3 System Hydrostatic Tests

Pressure retaining components identified in Sections 9.1.1 and 9.1.2 shall be visually examined in accordance with visual examination method VT-2 (see Section 11.1) during a system hydrostatic test conducted in accordance with IWD-5223 of ASME Section XI. These examinations and tests shall be performed over each inspection interval.

(2) Examination Results and Reports

(3) Examination Methods and Procedures

(4) Evaluation of Results

(5) Corrective Actions and Repairs

16.4 Records of System Pressure Tests

Records of the visual examinations conducted during system leakage or hydrostatic tests shall consist of an itemization of the number and location of leaks found in a system and the corrective actions taken.

16.5 Augmented Examination Reports

Augmented examination special reports shall be submitted to the Nuclear Regulatory Commission Region II Office within the time period specified for each report. For specific details on records, reports and reporting see section 20.0, Augmented Inspections, of this program.

17.0 NOTIFICATION OF INDICATION

Plant management shall be formally notified of the presence of unacceptable indications detected during the performance of nondestructive examinations (excluding VT-2, visual examinations performed during system pressure tests). Unacceptable indications are defined by the applicable NDE procedure. Formal notification shall consist of completing and submitting to the Plant Superintendent the "Notification of Indication" form in Appendix D of this program.

Part I of the "Notification of Indication" shall be completed and signed by the NDE Level II or III examiner detecting the indication. The NDE Section representative shall assign a sequential number and review and sign the form. If the indication is detected by an outside contractor, the contractor's field supervisor shall review and sign the form. The original shall be sent to the plant superintendent and a copy to the ISI Programs Section.

The plant manager or his assistant shall designate the organization (Field Services, Plant Maintenance), responsible for preparing a disposition in Part II of the form and performing the associated corrective action. If the organization assigned responsibility for dispostion is unable to determine a satisfactory disposition then the form should be sent to the Mechanical Branch for disposition. The individual responsible for preparation of the disposition shall sign and date Part II of the form. The cognizant supervisor of the appropriate organization

shall review and approve the disposition and sign and date Part II of the form. Copies of the form shall be distributed to the plant superintendent and the ISI Programs Section. The original shall be returned to the NDE Section Representative. One copy shall be filed with the examination report.

If the organization assigned responsibility for repair is within NUC PR, they shall determine if the unacceptable condition is significant and potentially reportable in accordance with the requirements of N-OQAM, Part III, Section 7.2. Dispositions to correct the condition under the plant maintenance program shall be processed in accordance with N-OQAM, Part II, Section 2.1. Dispositions other than restoring to original requirements shall be processed as modifications in accordance with N-OQAM, Part II, Section 3.0. Repair and replacement, activities, including coordination with the Authorized Inspection Agency (AIA), shall be performed in accordance with the requirements of N-OQAM, Part II, Section 2.3. Dispositions to accept the condition as-is shall include in Part II of the form the basis for the disposition. In addition for dispositions to accept the condition as-is, a USQD shall be prepared by the appropriate organization in accordance with established procedures. The

organization responsible for corrective action shall include preservice examination requirements in the repair or replacement work instruction described in N-OQAM, Part II, Section 2.3.

Upon completion of corrective action the NDE Section Representative shall verify completion of corrective action, enter the work instruction and/or DCR numbers on the Notification of Indication form, enter the examination report number if re-examination was performed, and sign and date the form, Part III. The signed form shall remain with the examination report for use as a quality assurance record. If re-examination was performed, a copy of the signed form shall also remain with the re-examination report. Copies of the form shall also be distributed to the plant superintendent and the ISI Programs Section.

18.0 CALIBRATION BLOCKS

Calibration blocks will be used for ultrasonic examinations (a calibration tube will be used for eddy current examination of steam generator tubing). The blocks will be fabricated to the general requirements of ASME Section V and ASME Section XI. The blocks shall be fabricated of the material to be examined or equivalent P numbers. Mill test reports shall be obtained and retained by the Quality Engineering Branch for all calibration blocks. The blocks shall employ drilled holes and/or notches for calibration reflectors (See Request for Relief ISI-2).

The NDE Section shall maintain as-built calibration block drawings. Copies of the original drawings and any revisions shall be submitted to the ISI Programs Section. The calibration blocks shall be stored at the plant site and maintained by the plant QA organization.

19.0 REQUESTS FOR RELIEF

Where TVA has determined that certain code requirements or examinations are impractical, TVA will submit written requests for relief to NRC with information to support the determinations and any proposed alternate examinations. The impractical code requirements or examinations shall be identified in this program, and references to particular requests for relief shall be included.

When impractical examination requirements are identified in the field, the NDE Section shall notify the ISI Programs Section such that the information may be included in this program and requests for relief may be prepared if necessary.

The Requests for Relief are listed in Appendix E.

20.0 AUGMENTED INSPECTIONS

Augmented inspections are performed in addition to ASME Section XI code requirements. The augmented inspections may be required by the NRC or self-imposed by TVA.

Augmented examinations of components that require reporting (verbal or written) to the NRC shall be the responsibility of the organization designated in the particular examination. These reports shall be submitted to the Nuclear Regulatory Commission Region II Office within the time period specified for each report. Each augmented exam shall state the required reporting time and the document requiring the information to be included in the report.

20.1 Feedwater System Piping and Supports

The requirements of NRC-IE Bulletin 79-13 were satisfied during the unit 2, cycle 1 outage. Due to the safety-related ramifications of the steam generator nozzle transition section cracking problem, TVA will perform an augmented inspection (reference memorandum L29 831222 836) of one feedwater nozzle during each refueling outage on a rotating basis. The augmented examination of the steam generator nozzle transition section shall include nozzle-to-transition piece welds and transition piece-to-pipe welds. These welds shall be ultrasonically examined and

ultrasonic sensitivities should be equivalent to those required by NRC-IE Bulletin 83-02. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.2 RPV Nozzle Safe Ends

The augmented examination requirements of the RPV nozzle-to-safe end welds are included in the final report - Sequoyah Nuclear Plant - Evaluation of cracking in reactor vessel nozzle stainless steel buttering. TVA will reinspect nozzle 2RC-17SE and one additional unit 2 nozzle (2RC-24SE) at the first regularly scheduled cold shutdown outage. Future examinations for unit 2 will be monitored at the normal inservice inspection intervals for dissimilar metal welds as required by Section XI of the ASME Code. This augmented examination does not require a special report. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.3 Reactor Coolant Pump Flywheel

The augmented examination requirements of the reactor coolant pump flywheel are included in Regulatory Position C.4.b of Regulatory Guide 1.14; (1) an inplace ultrasonic examination of the areas of higher stress concentration at the bore and keyway at approximately three-year intervals during the refueling or maintenance shutdown coinciding with the inservice inspection schedule as required by Section XI of the ASME Code, and (2) a surface examination of all exposed surfaces and complete ultrasonic examination at approximately 10-year intervals during the plant shutdown coinciding with the inservice inspection schedule as required by Section XI of the ASME Code.

This augmented examination does not require a special report unless the examination reveals a flaw. If the examination and evaluation indicate an increase in flaw size or growth rate greater than predicted for the service life of the flywheel, the results of the examination and evaluation should be submitted to the NRC for evaluation. Refer to Regulatory Guide 1.14 for information to be included. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

20.4 Steam Generator Tubing

The augmented examination requirements of the steam generator tubing are included in Technical Specifications 4.0.5, 4.4.5.0 and section 7.3.8 of this program. Following each inservice inspection of steam generator tubes, the number of tubes plugged in each steam

generator shall be reported to the NRC within 15 days. Plant management shall report this information to the Nuclear Regulatory Commission Region II Office within the time period specified. See plant instruction AI-18 for reporting instructions.

The complete results of the steam generator tube inservice inspection shall be submitted to the Nuclear Regulatory Commission in a special report pursuant to Technical Specification 6.9.2 within 12 months following completion of the inspection. The Chemical, Metallurgy, and Standards Group Staff Specialist shall prepare this special report and submit the report of the Nuclear Regulatory Commission Region II Office within the stated time period. This special report shall include:

1. Number and extent of tubes inspected.

2. Location and percent of wall-thickness penetration for each indication of an imperfection.

3. Identification of tubes plugged.

Results of steam generator tube inspections which fall into Technical Specification Category C-3 require prompt notification of the Nuclear Regulatory Commission pursuant to Technical Specification 6.9.1 prior to resumption of plant operation. The written followup of this report shall provide a description of investigations conducted to determine cause of the tube degradation and corrective measures to prevent recurrence.

Refer to Technical Specifications 4.0.5 and 4.4.5.0 and section 7.3.8 of this program for information to be included.

20.5 RPV Nozzle Cladding

All vessel nozzles cladding shall be ultrasonically examined at the end of each 10-year inspection interval, using techniques at least as sensitive as those used to conduct the supplemental examinations performed prior to fuel loading. The results of this examination shall be reported to NRC. This examination is done in accordance with Sequoyah technical specifications and satisfies Surveillance Requirement 4.4.10. This augmented examination does not require a special report. The examination data sheets shall be included in the 90 day ISI report discussed in section 16.2 of this program.

Nozzle forging material and cladding is identified in section 7.1.2 of this program.

20.6 Steam Generator Feedring J-Tubes

Due to the potential of a loose part (J-Tube) in the secondary side of the steam generators the following J-Tube augmented examination plan shall be initiated.

At refueling outages, less than 920 EFPD, all J-Tubes in one steam generator must be ultrasonically examined for wall thrickness in the area above the weld joining the J-Tube to the feedring. This inspection plan would provide wall thickness data on two steam generators per year, one per unit.

For operating periods greater than 920 EFPD, all J-Tubes should be ultrasonically examined on two steam generators. The probability of J-Tube thinning increases significantly after 920 EFPD of operation.

If J-Tube thinning greater than 40 percent is detected during an examination, all J-Tubes in all steam generators must be ultrasonically examined.

This examination plan as outlined shall be adequate to detect J-Tube degradation and provide a planned J-Tube maintenance program. This augmented examination is self imposed by TVA (L29 840109 859) and does not require a report. The examination data sheets shall be included in the 90 day ISI Report discussed in section 16.2 of this program.

21.0 REFERENCES

21.1 ASME Boiler and Pressure Vessel Code - Section XI, 1974 Edition, Summer 1975 addenda, Summer 1976 addenda; 1977 Edition, Summer 1978 addenda.

21.2 ASME Boiler and Pressure Vessel Code - Section V.

21.3 Instruction Manual - 173-inch I.D. Reactor Pressure Vessel -Rotterdam Dockyard Company, Contract No. 68C60-91934, N2M-2-3.

21.4 Sequoyah Nuclear Plant Standard Practice SQA41.

21.5 Sequoyah Nuclear Plant Final Safety Analysis Report.

21.6 Westinghouse Technical Manual - Pressurizer, TM 1440-C225, Contract No. 68C60-91934, N2M-2-6.

21.7 Westinghouse Technical Manual - Vertical Steam Generators, TM 1440-C224, Contract No. 68C31-91934, N2M-2-4.

21.8 Westinghouse Instruction Manual - Auxiliary Heat Exchangers, Contract No. 68C60-91934, N2M-2-25.

21.9 Westinghouse Instruction Book - Reactor Coolant Pump, Contract No. 68C60-91934, N2M-2-5.

21.10 Ingersoll-Rand Instruction Manual - Residual Heat Removal Pumps, Contract No. 68C60-91934, N2M-2-30.

21.11 Sequoyah Nuclear Plant Operational Quality Assurance Manual, Part II, Sections 2.3, 3.0, 5.1, and 6.3.

21.12 Sequoyah Nuclear Plant Technical Instruction TI-51.

21.13 Sequoyah Nuclear Plant Technical Specifications Unit 2.

21.14 Division Procedures Manual: N75C01, N76A10, N80E3, SEQ80M7, SEQ82E1, and SQ82M1.

APPENDIX A
TABLE A
SEQUOYAH INSERVICE INSPECTION PROGRAM
CLASS A COMPONENTS

Component	Program Reference Section	Exam Method	Section XI Exam Category	40 Yr. Sample No. Length Welds/of Weld	1st Insp. Interval No. Length Welds/of Weld	Inspection Periods 3 yrs.	7 yrs.	10 yrs.	Reference Dwg. No.
C. Steam Generators									
4. Pressure Retaining Bolting	7.3.6	VT-1	B-G-2	4 gens./2 mwy	8 mwy	2	2	4	MSG-0002-B
5. Tubing	7.3.8	ET	B-Q	4 gens./3%	4 gens./3%	2	1	1	76M1
D. Pressure Retaining Bolting									
1. Reactor Coolant System	7.4.3.1	VT-1	B-G-2	8 Sets/8 Bolts	8 Sets	2	3	3	ISI-0013-C
2. Chemical and Volume Control System (SWI)	7.4.3.2	VT-1	B-G-2	4 Sets/4 Bolts	4 Sets	1	1	2	ISI-0009-C
3. Residual Heat Removal System	7.4.3.3	VT-1	B-G-2	N/A	See Program Section 7.4.3.3				
4. Safety Injection System	7.4.3.4	VT-1	B-G-2	4 Sets/4 Bolts	4 Sets	1	1	2	ISI-0002-C
5. Upper Head Injection System	7.4.3.5	VT-1	B-G-2	12 Sets/2 Bolts	12 Sets	4	4	4	ISI-0001-C

APPENDIX A
TABLE A
SEQUOYAH INSERVICE INSPECTION PROGRAM
CLASS A COMPONENTS

Component	Program Reference Section	Exam Method	Section XI Exam Category	40 Yr. Sample No. Length Welds/of Weld	1st Insp. Interval No. Length Welds/of Weld	Inspection Periods 3 yrs.	7 yrs.	10 yrs.	Reference Dwg. No.
E. Piping (Continued)									
D. Safety Injection System	7.4.8.4	VT-3, VT-4	B-K-2	103	103	35	34	34	MSG-0009-C
E. Upper Head Injection System	7.4.8.5	VT-3, VT-4	B-K-2	88	88	30	29	29	MSG-0014-C
F. Reactor Coolant Pumps									
1. Pressure-Retaining Bolting	7.5.1	UT	B-G-1	96	96	24	24	48	CHM-2675-B
2. Pressure-Retaining Bolting	7.5.1	UT,PT, or MT	B-G-1	96	96	24	24	48	CHM-2675-B
3. Pressure-Retaining Bolting	7.5.2	VT-1	B-G-1	4RCP/2 Sets*	96	24	24	48	CHM-2675-B

*See Program Reference Section for explanation of inspection sample.

APPENDIX A
TABLE B
SEQUOYAH INSERVICE INSPECTION PROGRAM
CLASS B COMPONENTS

Component	Program Reference Section	Exam Method	Section XI Exam Category	40 Yr. Sample No. Welds	40 Yr. Sample Length of Weld	1st Insp. Interval No. Welds	1st Insp. Interval Length of Weld	Inspection Periods 3 yrs.	7 yrs.	10 yrs.	Reference Dwg. No.
D. Piping (Continued)											
c. Main Steam System	8.9.2.3	VT-3, VT-4	C-E	66		66		22	22	22	MSG-0017-C
d. Feedwater System	8.9.2.4	VT-3, VT-4	C-E	35		35		12	11	12	MSG-0016-C
e. Containment Spray System	8.9.2.5	VT-3, VT-4	C-E	5		5		1	2	2	MSG-0011-C
f. Upper Head Injection System	8.9.2.6	VT-3, VT-4	C-E	7		7		2	2	3	MSG-0014-C
3. Circumferential and Longitudinal											
A. Residual Heat Removal System											
a. RHR Circs >½" Nom. Wall Thickness	8.9.4.1	UT, PT	C-F, C-G	22		5		1	2	2	ISI-0003-C
b. RHR Long. >½" Nom. Wall Thickness	8.9.4.1	UT PT	C-F, C-G	4		1		1	0	0	ISI-0003-C

APPENDIX A
TABLE B
SEQUOYAH INSERVICE INSPECTION PROGRAM
CLASS B COMPONENTS

Component	Program Reference Section	Exam Method	Section XI Exam Category	40 Yr. Sample No. Welds/of Length Weld	1st Insp. Interval No. Welds/of Length Weld	Inspection Periods 3 yrs.	7 yrs.	10 yrs.	Reference Dwg. No.
D. Piping (Continued)									
D. Feedwater System									
a. FW Circs >½" Nom. Wall Thickness	8.9.4.4	UT, MT	C-F, C-G	8	2	0	1	1	CHM-2403-C
b. FW Long. >½" Nom. Wall Thickness	8.9.4.4	UT, MT	C-F, C-G	1	1	1	0	0	CHM-2403-C
E. Containment Spray System									
a. CS Circs ≤½" Nom. Wall Thickness	8.9.4.5	PT	C-F, C-G	5	1	1	0	0	ISI-0007-C
b. CS Long. ≤½" Nom. Wall Thickness	8.9.4.5	PT	C-F, C-G	2	1	0	1	0	ISI-0007-C
F. Upperhead Injection System	8.9.4.6	UT, PT	C-F, C-G	26	7	2	2	3	ISI-0001-C
F. Pumps									
1. Residual Heat Removal Pumps (2) RHRP									
a. RHRP Support Components	8.9.1.2	VT-3	C-C, C-E	2	2	1	0	1	

APPENDIX A
TABLE B
SEQUOYAH INSERVICE INSPECTION PROGRAM
CLASS B COMPONENTS

Component	Program Reference Section	Exam Method	Section XI Exam Category	40 Yr. Sample No. Welds/of Weld	Length	1st Insp. Interval No. Welds/of Weld	Length	Inspection Periods 3 yrs.	7 yrs.	10 yrs.	Reference Dwg. No.
E. Pumps (Cont.)											
2. CVCS Centrifugal Charging Pumps (2) CCP											
a. CCP, Integrally Welded Supports	8.10.2.1	ST	C-C	2		2 Pmps/4 Ft		1	0	1	ISI-0146-A
b. CCP Component Supports		VT-3	C-C, C-E	2		2		1	0	1	ISI-0146-A
3. SIS Safety Injection Pumps (2) SIP											
a. SIP Component Supports		VT-3	C-C, C-E	2		2		1	0	1	ISI-0147-B
4. CVCS Positive Displacement Pump (1) PDP/Reciprocating Charging Pump											
a. PDP Component Supports		VT-3	C-D, C-E	1		1		0	0	1	ISI-0164-A
F. Exempted Components	8.12	VT-2	C-H	See Program Section 8.12							

APPENDIX A
TABLE C
SEQUOYAH INSERVICE INSPECTION PROGRAM
CLASS C COMPONENTS

Component	Program Reference Section	Method of Insp.	Section XI Exam Category	40 Yr. Sample No. Length Welds/of Weld	1st Insp. Interval No. Length Welds/of Weld	Inspection Periods 3 yrs.	7 yrs.	10 yrs.	Reference Dwg. No.
A. Piping									
1. All Classes C and D	9.0, 9.1	VT-2	D-A, D-B D-C	N/A	N/A	100%	100%	100%	N/A
B. Component Supports									
1. Auxiliary Feedwater System	9.0.1.1	VT-3 VT-4	D-A	30	20	20	20	20	ISI-0146-C
2. Chemical and Volume Control System	9.0.1.2	VT-3 VT-4	D-A	6	6	6	6	6	ISI-0149-C
3. Component Cooling System	9.0.1.3	VT-3 VT-4	D-A, D-B	205	205	205	205	205	ISI-0154-C
4. Containment Spray System	9.0.1.4	VT-3 VT-4	D-B	27	27	27	27	27	ISI-0153-C
5. Essential Raw Cooling Water System	9.0.1.5	VT-3 VT-4	D-A, D-B	211	211	211	211	211	ISI-0153-C
6. Fuel Pool Cooling System	9.0.1.6	VT-3 VT-4	D-C	N/A	N/A	See Program Section 9.0.1.6			

APPENDIX A
TABLE C (Continued)
SEQUOYAH INSERVICE INSPECTION PROGRAM
CLASS C COMPONENTS

Component	Program Reference	Method of Section	Section XI Exam Insp.	No. Length Category	40 Yr. Sample No. Welds/of Weld	1st Insp. Interval No. Length Welds/of Weld	Inspection Periods 3 yrs.	7 yrs.	10 yrs.	Reference Dwg. No.
B. Component Supports (Continued)										
7. Residual Heat Removal System		9.0.1.7	VT-3 VT-4	D-B	7	7	7	7	7	ISI-0150-C
8. Safety Injection System		9.0.1.8	VT-3 VT-4	D-B	26	26	26	26	26	ISI-0151-C

APPENDIX A
TABLE D

LIST OF DRAWINGS - UNIT 2

Reactor Vessel

Drawing No.	Title	Appendix A Page No.
ISI-0008-B	Reactor Coolant Piping	159-160
ISI-0001-C	Upper Head Injection System	135-137
CH-M-2341-B	Reactor Vessel Stud Locations and Details	100-101
CH-M-2343-B	Reactor Vessel Seam Welds	102
CH-M-2358-A	Reactor Vessel Closure Head	103
CH-M-2359-A	Control Rod Drive Housing	107-108
CH-M-2360-A	Reactor Vessel Inlet Nozzles	109
CH-M-2361-A	Reactor Vessel Outlet Nozzles	110
ISI-0014-A	Auxiliary Head Adapter	106
ISI-0016-A	Reactor Vessel Clad Patches (PSI Only)	111
MSG-0001-B	Closure Head Cladding Patches (PSI Only)	112
MSG-0004-C	Reactor Vessel Bottom Head Penetrations	113
ISI-0097-C	Closure Head Penetrations	104-105

Pressurizer

Drawing No.	Title	Appendix A Page No.
CH-M-2362-A	Pressurizer Support Skirt Weld	118
CH-M-2663-A	Pressurizer Seam Welds	119
MSG-0002-B	Pressurizer and Steam Generator Cladding Patches	116
MSG-0006-A	Pressurizer Heater Penetations	120

Steam Generators

Drawing No.	Title	Appendix A Page No.
ISI-0008-B	Reactor Coolant Piping	159-160
CH-M-2345-B	Steam Generator	115
76M1	Vertical Steam Generators (Tube Sheet Arrangement)	114
MSG-0002-B	Pressurizer and Steam Generators Cladding Patches	116
MSG-0005-A	Steam Generator/Feedwater Transition Spool Piece	117

APPENDIX A
TABLE D

LIST OF DRAWINGS - UNIT 2

Heat Exchangers

Drawing No.	Title	Appendix A Page No.
CH-M-2404-A	Residual Heat Removal Heat Exchanger	123
ISI-0066-A	Regenerative Heat Exchanger	124-126
ISI-0067-A	Excess Letdown Heat Exchanger	127
ISI-0068-A	Letdown Heat Exchanger	128

Piping and Valve Weld Maps

Drawing No.	Title	Appendix A Page No.
ISI-0008-B	Reactor Coolant Piping (Main Loops)	159-160
ISI-0002-C	Safety Injection System	138-149
ISI-0013-C	Reactor Coolant System	163-173
ISI-0009-C	Chemical and Volume Control System	161-162
ISI-0003-C	Residual Heat Removal System	150-157
ISI-0001-C	Upper Head Injection System	135-137
MSG-0008-C	Seal Water Injection (Chemical and Volume Control System)	176-180
CH-M-2403-C	Feedwater System	133-134
ISI-0015-C	Main Steam System	174-175
ISI-0007-C	Containment Spray System	158

Class A and B
Piping and Valve Support Drawings

Drawing No.	Title	Appendix A Page No.
MSG-0013-C	Reactor Coolant System	203-214
MSG-0012-C	Chemical and Volume Control System	202-202
MSG-0015-C	Seal Water Injection (Chemical and Volume Control System)	219-223
MSG-0010-C	Residual Heat Removal System	193-199
MSG-0009-C	Safety Injection System	181-192
MSG-0014-C	Upper Head Injection System	215-218
MSG-0017-C	Main Steam System	226-227
MSG-0016-C	Feedwater System	224-225
MSG-0011-C	Containment Spray System	200

APPENDIX A
TABLE C

LIST OF DRAWINGS - UNIT 2

Class C and D Piping and Valve Support Drawings

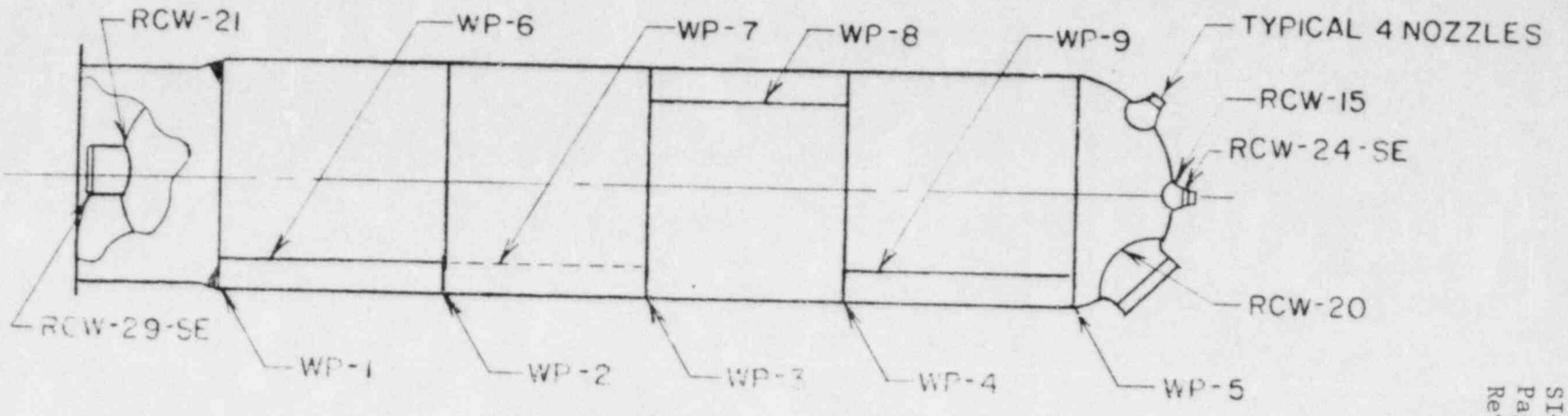
Drawing No.	Title	Appendix A Page No.
ISI-0146-C	Auxiliary Feedwater System	
ISI-0149-C	Chemical and Volume Control System	
ISI-0150-C	Residual Heat Removal System	
ISI-0151-C	Safety Injection System	
ISI-0153-C	Containment Spray System	
ISI-0154-C	Component Cooling System	
ISI-0158-C	Essential Raw Cooling Water System	

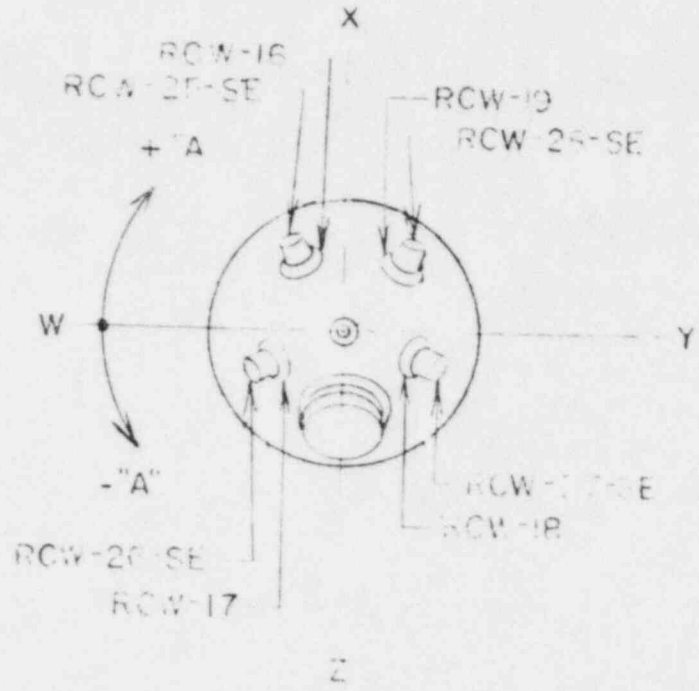
Pumps

Drawing No.	Title	Appendix A Page No.
CH-M-2675-B	Reactor Coolant Pump Main Flange and Lower Seal House Bolt Pattern	121
ISI-0098-A	Reactor Coolant Pump Support Feet	122
ISI-0099-A	Residual Heat Removal Pump Supports	122A
ISI-0146-A	Centrifugal Charging Pump Supports	122B
ISI-0147-B	Safety Injection Pump Supports	122C

Tanks

Drawing No.	Title	Appendix A Page No.
ISI-0070-A	Upperhead Injection Water Accumulator	129-130
ISI-0071-A	Accumulator Surge Tank	131
ISI-0074-A	Boron Injection Tank (Unit 2)	132





AS BUILT DIMENSIONS	
WELD NO.	"A"
WP-6	-60°
WP-9	-45°

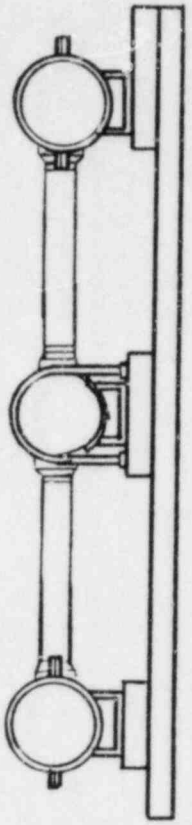
NO.	DATE	REVISIONS	CK'D	APP.
2	3-5-84	REDRAWN JAA	[illegible]	[illegible]
1	11-8-83	ADD DIMENSION BLOCK +A	[illegible]	[illegible]

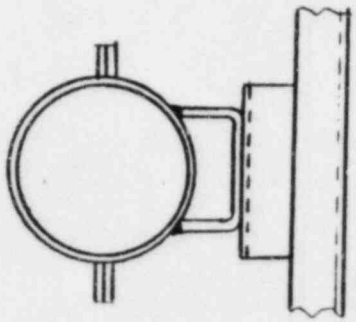
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
PRESSURIZER

SCALE	SUBMITTED	APPROVED	DATE 3-5-84
DRAWN	[illegible]	[illegible]	SHEET 1 OF 1 SHEETS
TRACED JAA			
CHECKED [illegible]			CH-M-2363-A

NO.	DATE	REVISIONS	CK'D	APP.
1	2-24-84	CORRECTED DWG. SIZE JAA	EDC	HB
		ADD NOTES & HANGER NO.		





DETAIL

NOTE:
RHXH-1A, LUGS, ARE UNIQUE TO BOTTOM CLAMP ON SUPPORT RHXH-1

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
REGENERATIVE HEAT EXCHANGER
HANGER LOCATIONS

SCALE: NTS	SUBMITTED EDC	APPROVED HB	DATE 7-2-82
DRAWN			SHEET 3 OF 3 SHEETS
TRACED KEY			ISI-0066-A
CHECKED EDC			

1 R-1

MATERIAL SPECIFICATIONS

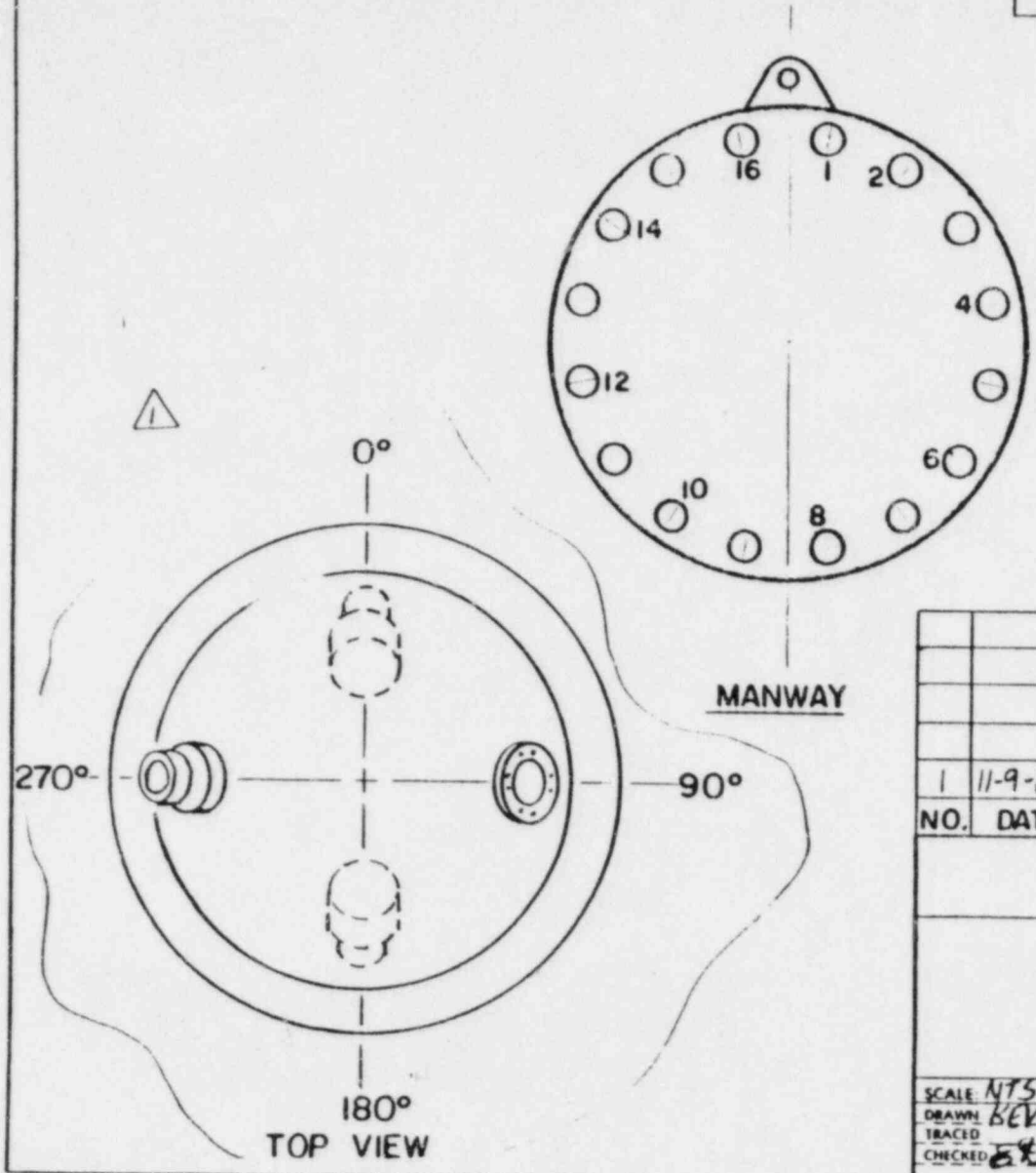
STUDS

SA 193 B 7

2½" DIA. x 11¾" LG

NUTS

SA 194 CL-2H

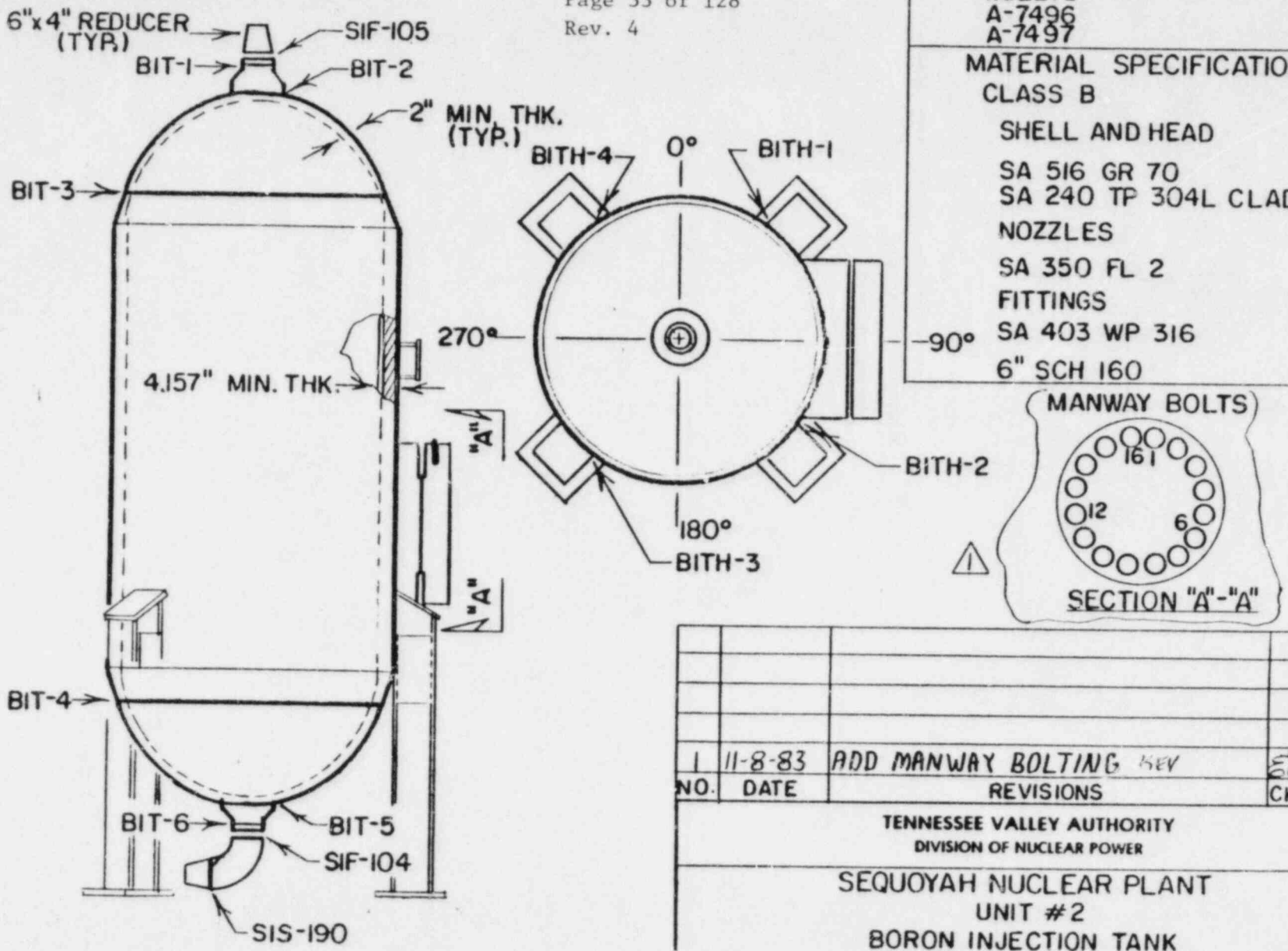


NO.	DATE	REVISIONS	CK'D	APP.
1	11-9-83	ADD TOP VIEW KEY	EDC	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
UPPER HEAD INJECTION
WATER ACCUMULATOR

SCALE NTS	SUBMITTED EDC	APPROVED HB	DATE 7-30-82
DRAWN BEV			SHEET 2 OF 2 SHEETS
TRACED			ISI-0070-A R1
CHECKED EDC			



REFERENCE DRAWINGS

113E275
A-7496
A-7497

MATERIAL SPECIFICATIONS

CLASS B

SHELL AND HEAD

SA 516 GR 70
SA 240 TP 304L CLADDING

NOZZLES

SA 350 FL 2

FITTINGS

SA 403 WP 316

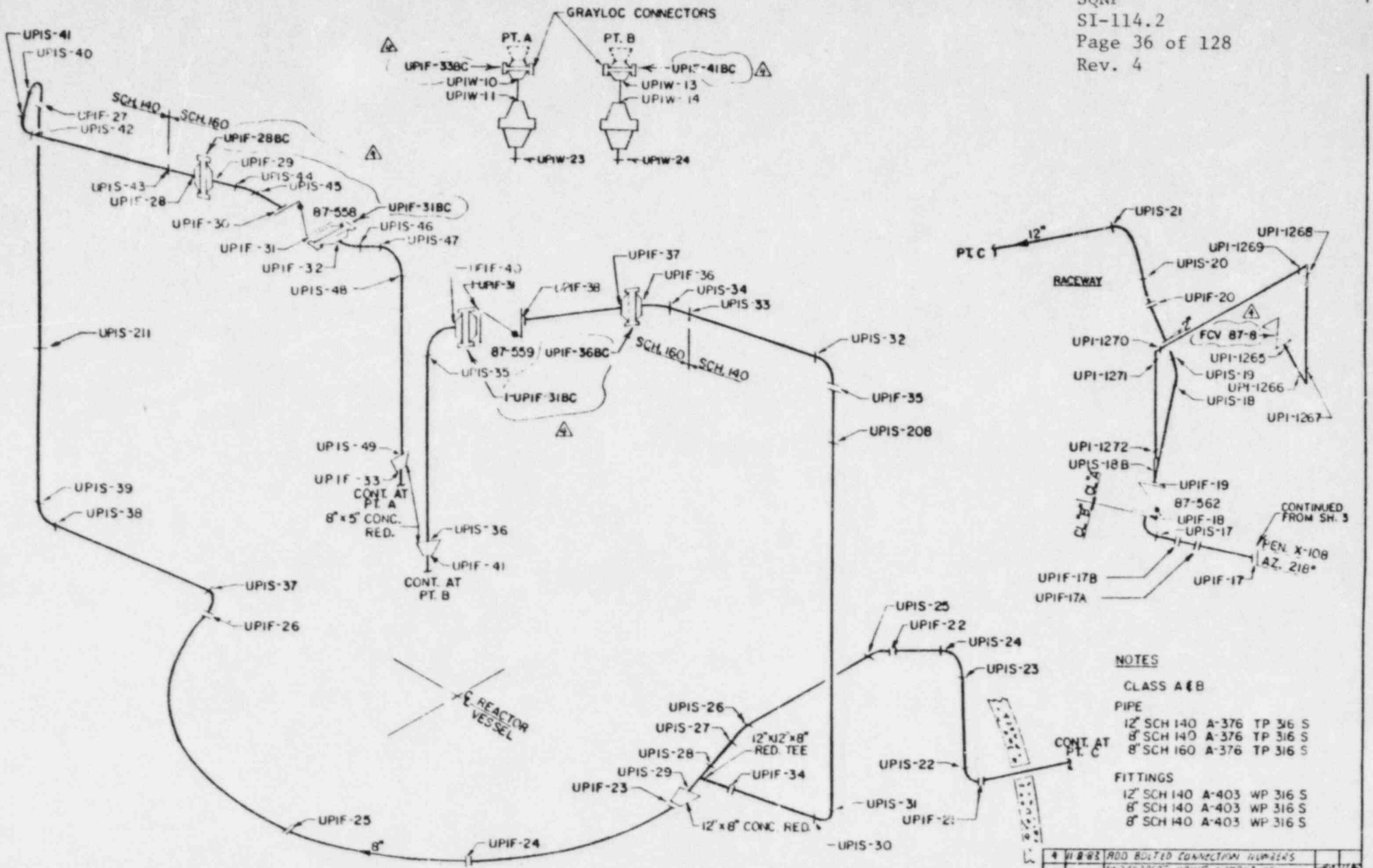
6" SCH 160

NO.	DATE	REVISIONS	CK'D	APP
1	11-8-83	ADD MANWAY BOLTING REV	EDC	GFB

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
BORON INJECTION TANK

SCALE: NTS	SUBMITTED EDC	APPROVED GFB	DATE 7-23-82
DRAWN / TRACED / CHECKED EDC			SHEET 1 OF 1 SHEETS
			ISI-0074-A R1



NOTES

CLASS A & B

PIPE

12" SCH 140 A-376 TP 316 S
8" SCH 140 A-376 TP 316 S
8" SCH 160 A-376 TP 316 S

FITTINGS

12" SCH 140 A-403 WP 316 S
8" SCH 140 A-403 WP 316 S
8" SCH 140 A-403 WP 316 S

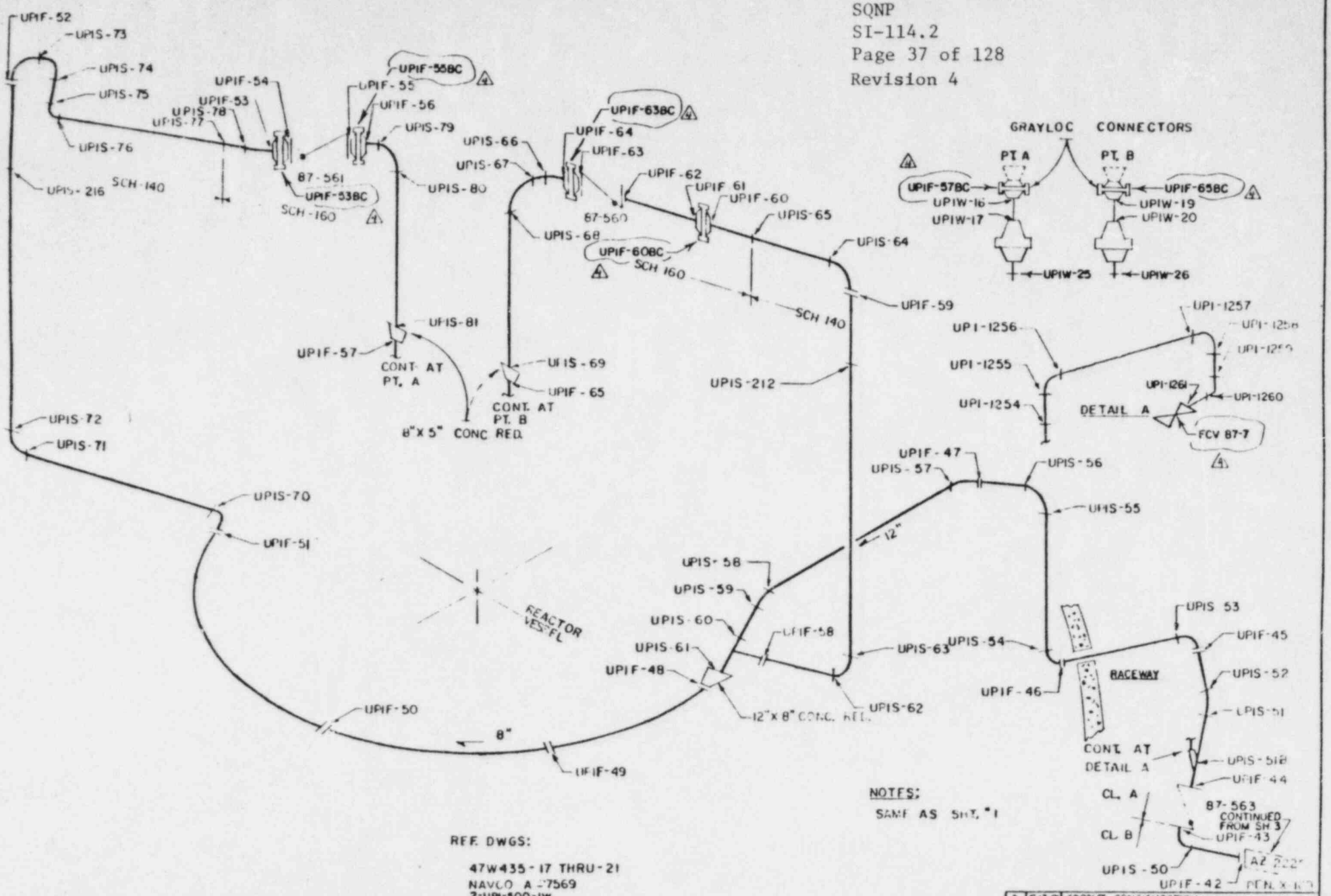
REF. DRAWING:
47W435-17 THRU 21
NAVCO A-7568
2-UPI-500-1W

NO	DATE	REVISIONS	CK'D	APP'D
4	11-8-83	ADD BOLTED CONNECTION NUMBERS AND EFFECT VALVE NUMBER REV.		
3	4-1-83	CORRECT WELD NO. & ADD CONTINUATION REV.		
2	3-5-81			
1	2-28-81			

TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION

SEQUOYAH NUCLEAR PLANT
UNIT • 2
UPPER HEAD INJECTION

1 of 3
1SI-000-C



NOTES:

SAME AS SHT. #1

REF. DWGS:

47W435-17 THRU-21
NAVCO A-7569
2-UPI-500-1W

NO.	DATE	REVISIONS
2	5-12-83	CORRECT CONFIGURATION
1	2-2-81	CORRECT CONFIGURATION

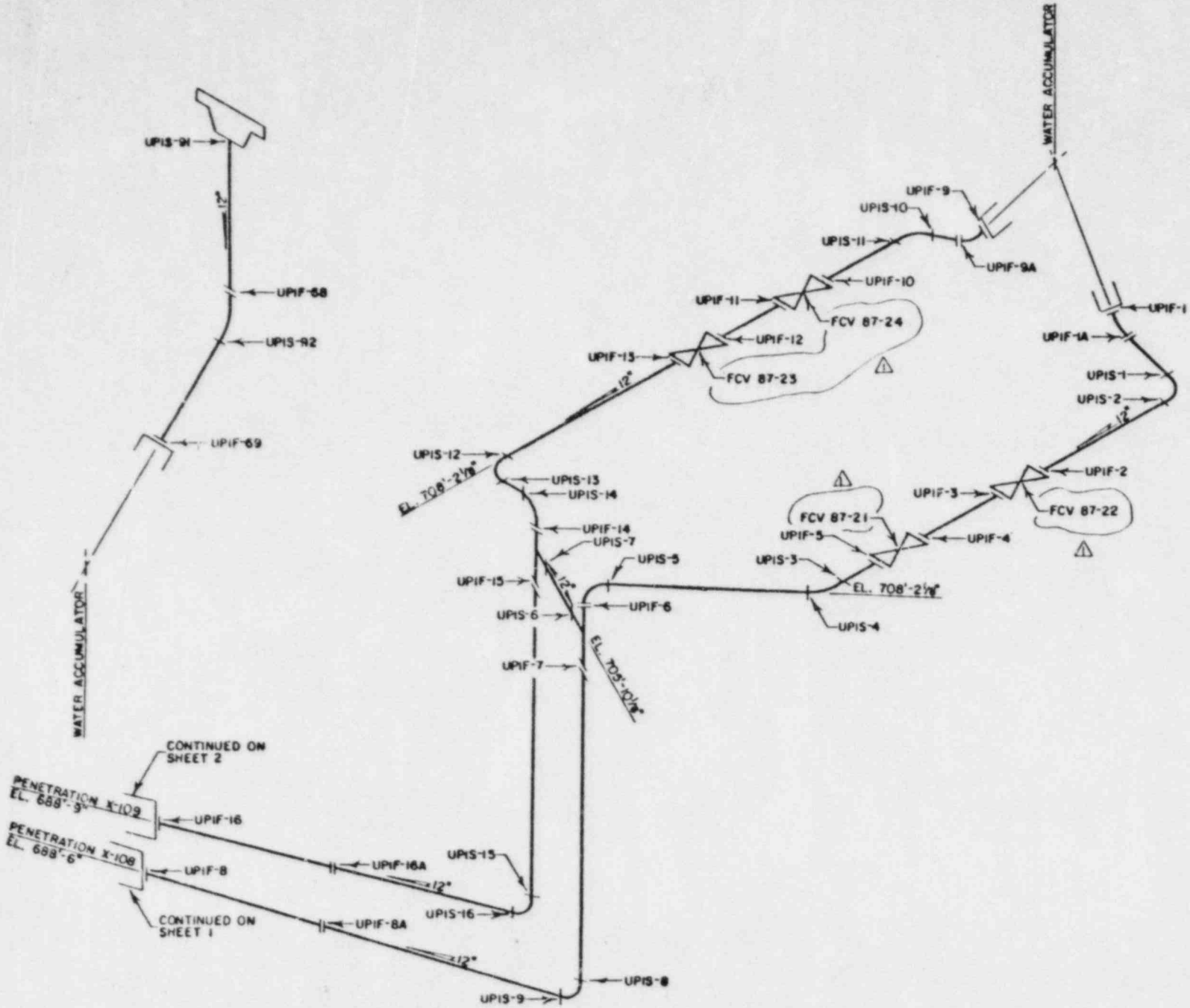
TENNESSEE VALLEY AUTHORITY
DIVISION OF POWER PRODUCTION

SEQUOYAH NUCLEAR PLANT
UNIT # 2
UPPER HEAD INJECTION

NO.	DATE	REVISIONS	CK'D	APP'D
4	11-8-85	ADD BOLTED CONNECTION NUMBERS AND ADDITIONAL VALVE NUMBERS		
3	9-1-83	CORRECT WELD NO. & ADD CONTINUATION	EDC	

EDC

2 3
ISI-0001-C



REFERENCE DRAWINGS
A-7567
A-7570
MATERIAL SPECIFICATIONS
CLASS B
PIPE
SA 376 TP 316
12" SCH 140
FITTINGS
SA 403 WP 316
12" SCH 140
FLANGES
SA 182 F 316

NO.	DATE	REVISIONS	CK'D	APP.
1	11-8-91	CORRECT VALVE NUMBERS ADV	[illegible]	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
UPPER HEAD INJECTION SYSTEM
WELD LOCATIONS

DES.	[illegible]	[illegible]	28 87
DRN.	[illegible]		
CHK.	[illegible]		

1SI-0001-C

SQNP
SI-114.2
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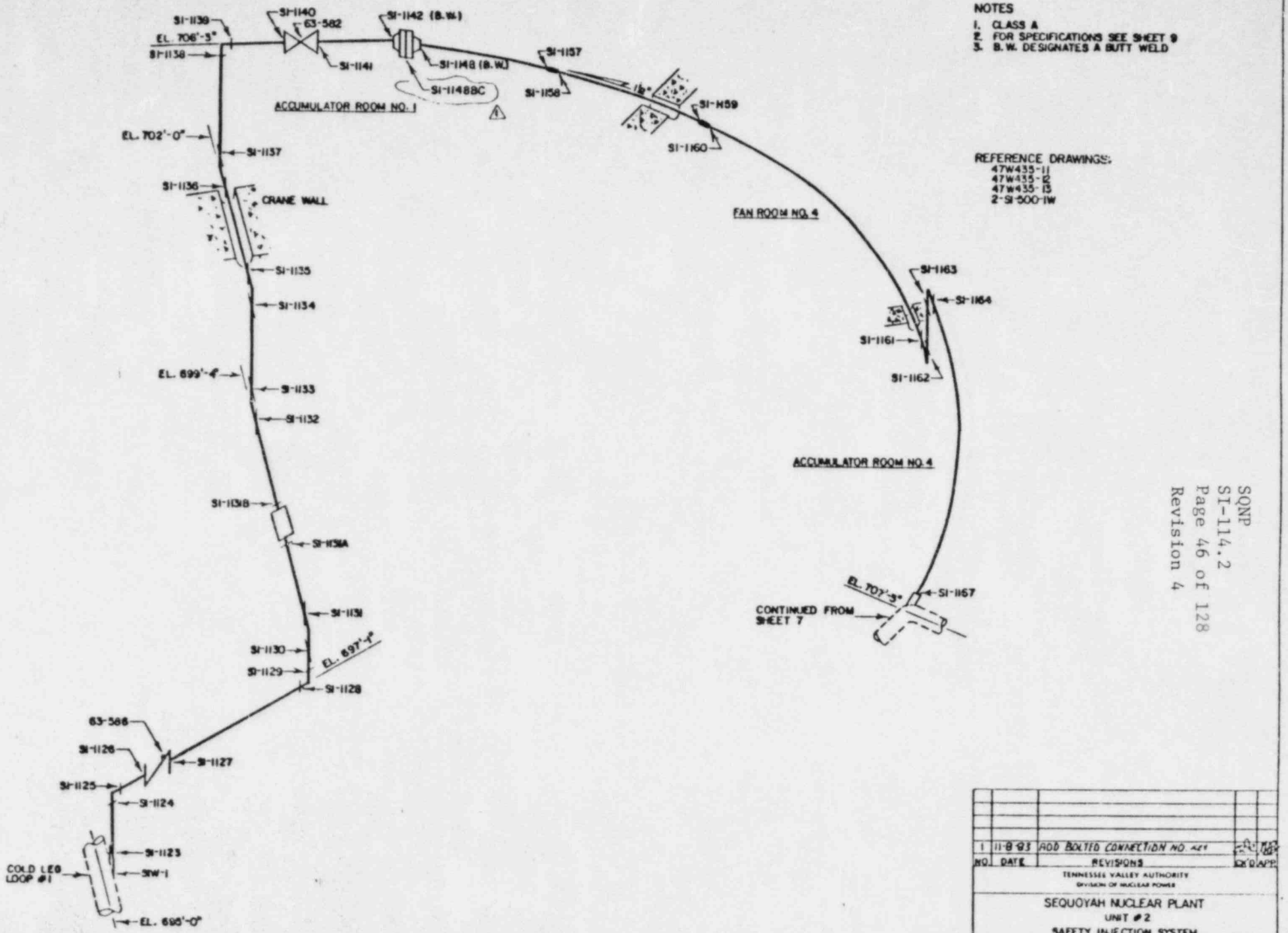
Rev. 4



NOTES

1. CLASS A
2. FOR SPECIFICATIONS SEE SHEET 9
3. B.W. DESIGNATES A BUTT WELD

REFERENCE DRAWINGS:
47W435-11
47W435-12
47W435-13
2-SI-500-1W

NO.	DATE	REVISIONS	BY	APP'D
1	11-8-83	ADD BOLTED CONNECTION NO. 421	[illegible]	[illegible]

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SAFETY INJECTION SYSTEM

SCALE NONE	DESIGNED EDC	DRAWN [illegible]	TRACED [illegible]	DATE 1-9-81
APPROVED [illegible]				APPROVED [illegible]

1SI-0002-C

SQNP
SI-114.2
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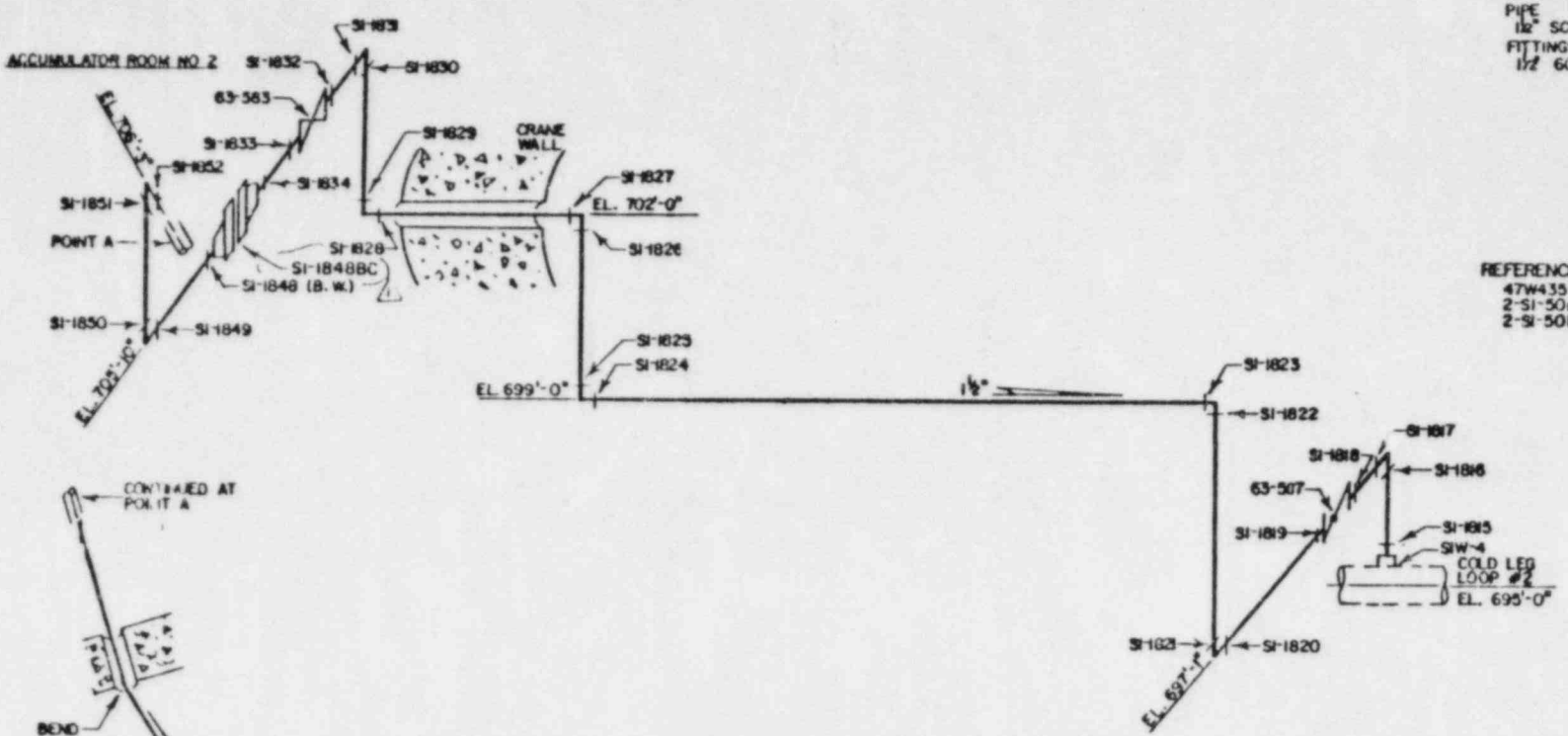
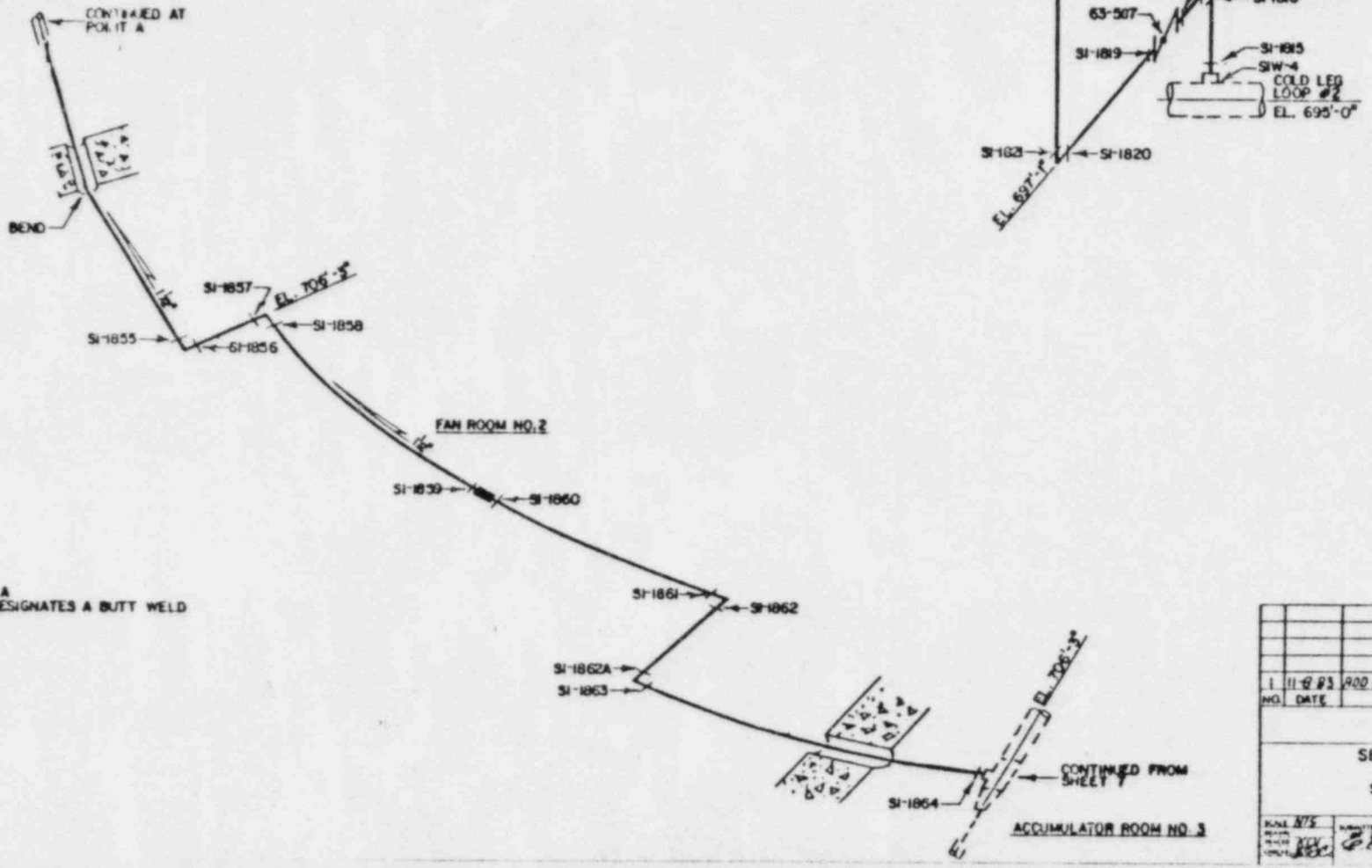
Revision 4

SPECIFICATIONS:
PIPE
1½" SCH. 160 SEAMLESS S/S A376 TP304
FITTINGS
1½ 6000# S.W. S/S A182 F304

REFERENCE DRAWINGS:
47W435-14
2-SI-501-1W
2-SI-501-2W





NOTES
1. CLASS A
2. B.W. DESIGNATES A BUTT WELD

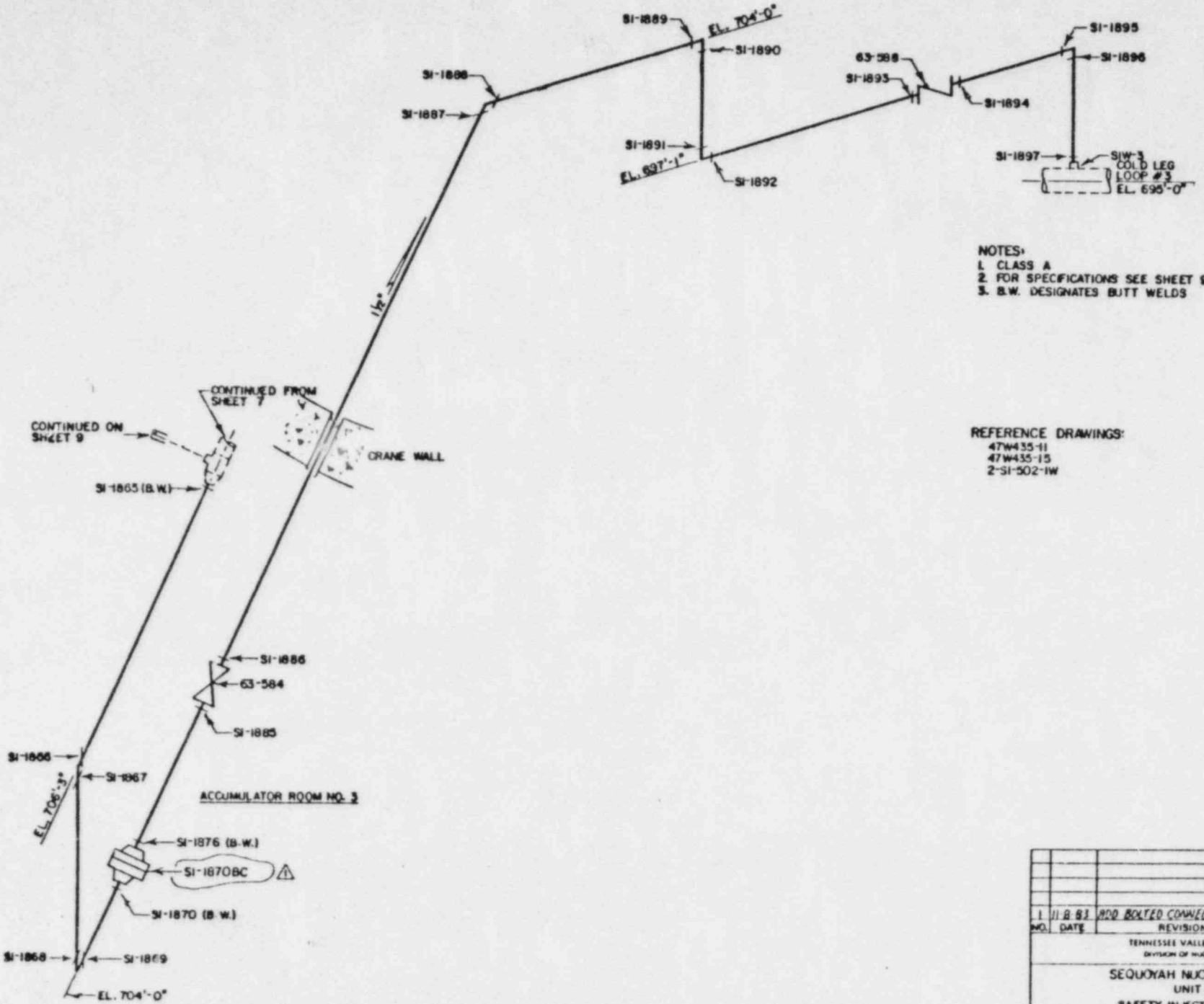
NO.	DATE	REVISIONS	DES'D	APP
1	11-8-83	ADD BOLTED CONNECTION NO. 4??		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SAFETY INJECTION SYSTEM

SCALE NTS	DRAWN EDC	APPROVED	1-8-81
			SI-0002-C

R1



NOTES:
1. CLASS A
2. FOR SPECIFICATIONS SEE SHEET 9
3. B.W. DESIGNATES BUTT WELDS

REFERENCE DRAWINGS:
47W435-11
47W435-13
2-SI-502-1W

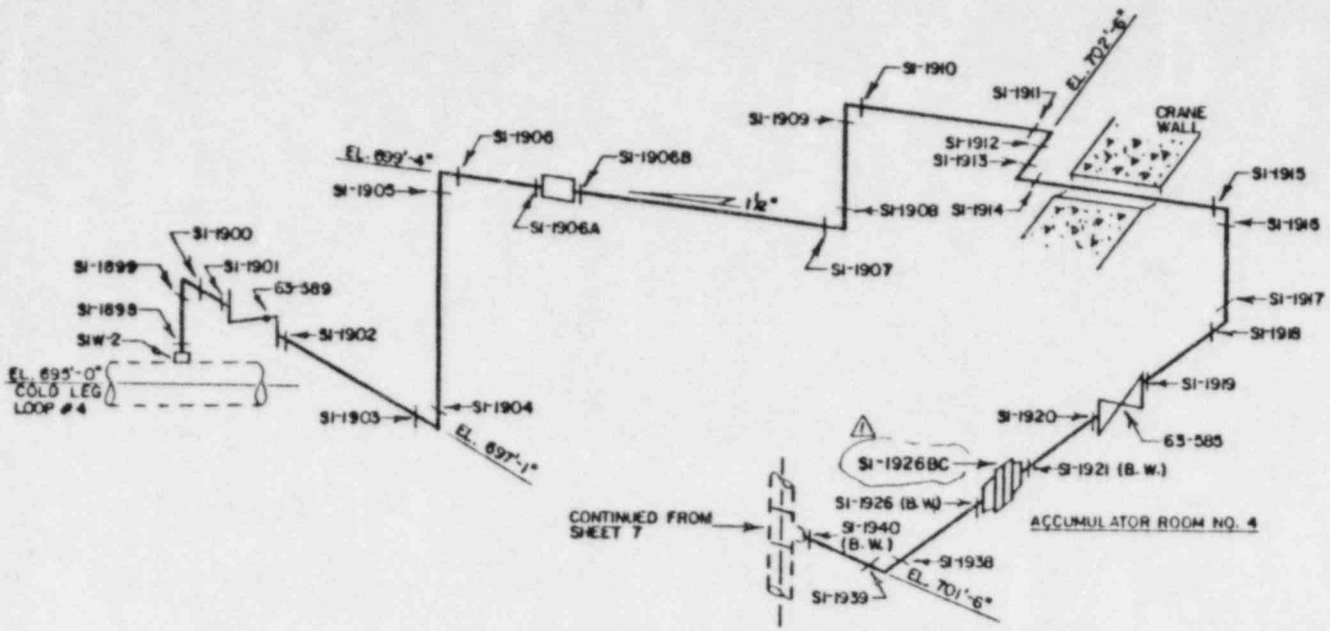
NO.	DATE	REVISIONS	BY	CHK'D	APP'D
1	11 8 83	ADD BOLTED CONNECTION NO. KEY			

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SAFETY INJECTION SYSTEM

SCALE	NIS	SUBMITTED	EDC	APPROVED	BJB	DATE	12-81	DRAWING	1SI-0002-C	R1

SQNP
SI-114.2
Page 48 of 128
Rev. 4



REFERENCE DRAWINGS:
47W435-12
2-SI-503-1W

NOTES:
1. CLASS A
2. FOR SPECIFICATIONS SEE SHEET 9
3. B.W. DESIGNATES BUTT WELDS

NO.	DATE	REVISIONS	CK'D	APP'D
1	8 8 83	ADD BOLTED CONNECTION NO. 44	EDC	

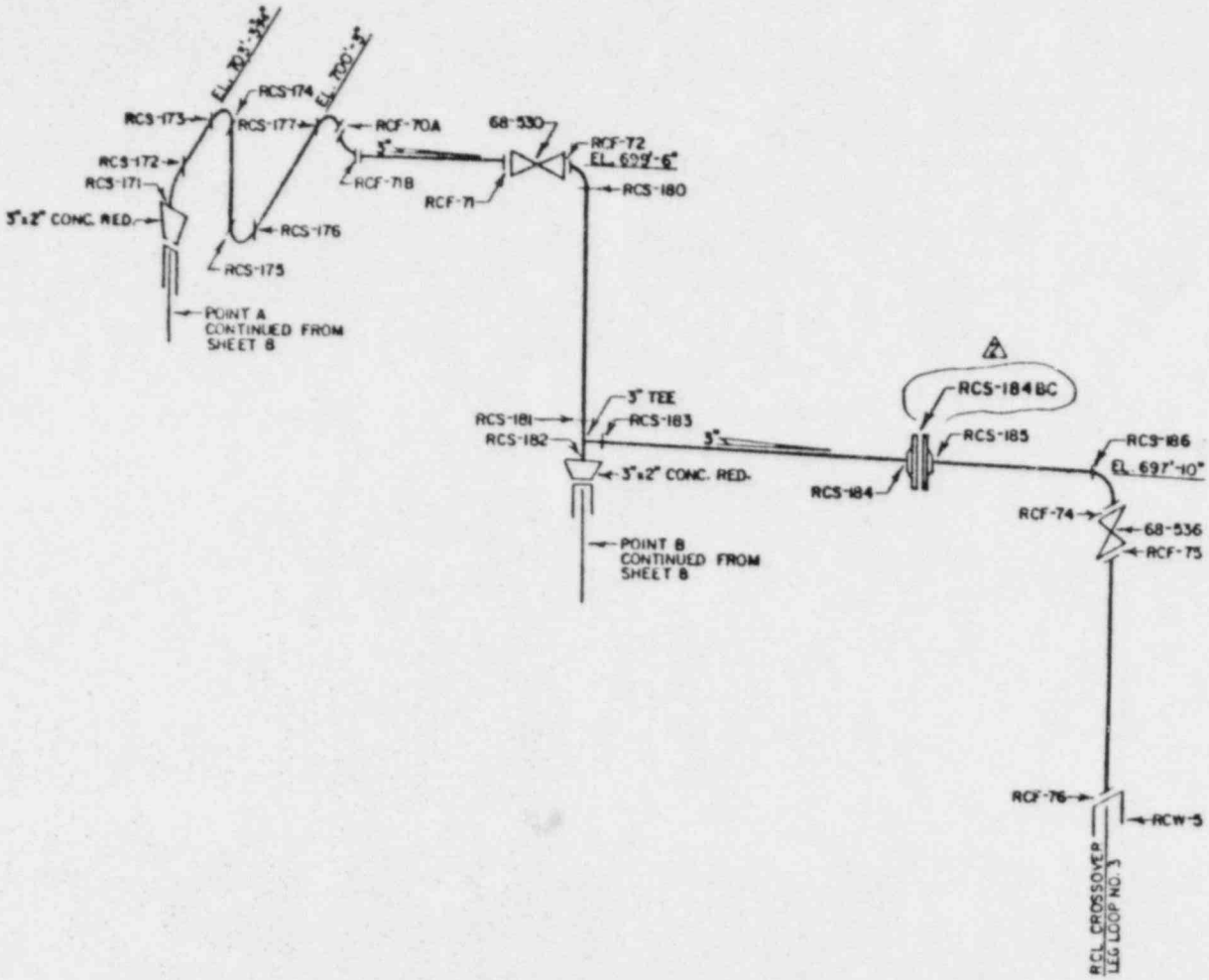
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SAFETY INJECTION SYSTEM

SCALE: NTS | DESIGNED: EDC | DRAWN: JDC | CHECKED: | APPROVED: | DRAWING NO. 1SI-0002-C | R1

MATERIAL SPEC
CLASS A
SEE SHEET 1

REFERENCE DRAWINGS
47W465 SERIES
NAVCO A-7566



NO.	DATE	REVISIONS	CK'D APP'D
2	11-8-83	ADD BOLTED CONNECTION NO. NCV	
1	3-5-81	CORRECT WELD NOS.	

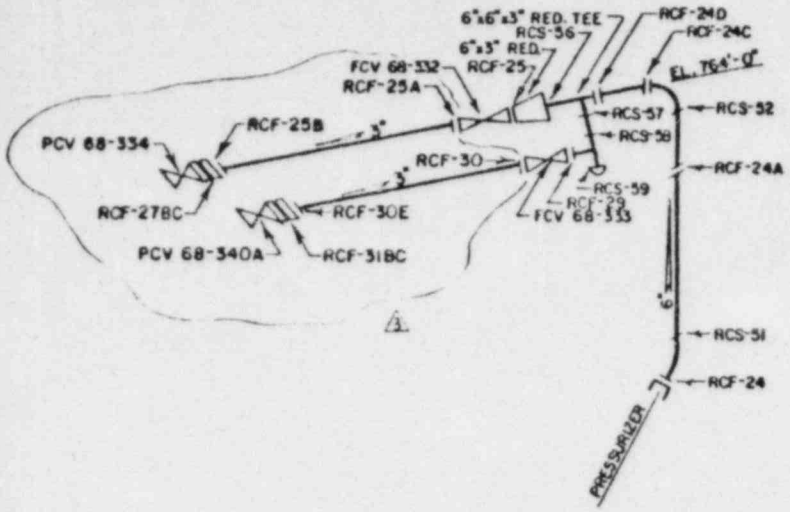
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

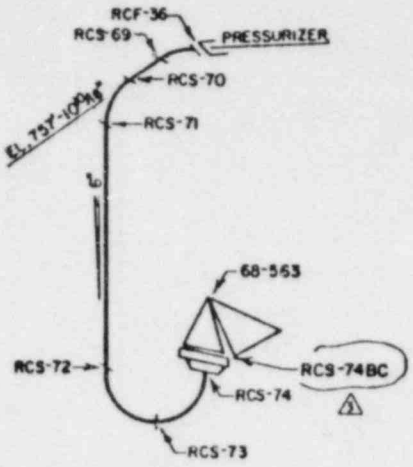
SEQUOYAH NUCLEAR PLANT
UNIT #2
REACTOR COOLANT SYSTEM

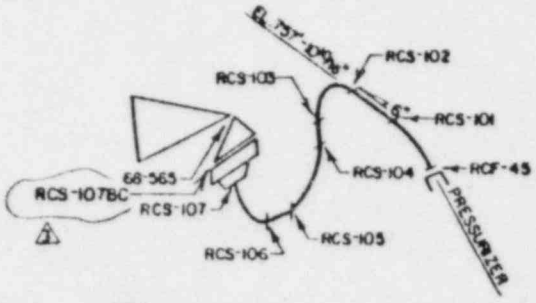
1SI-0013-C

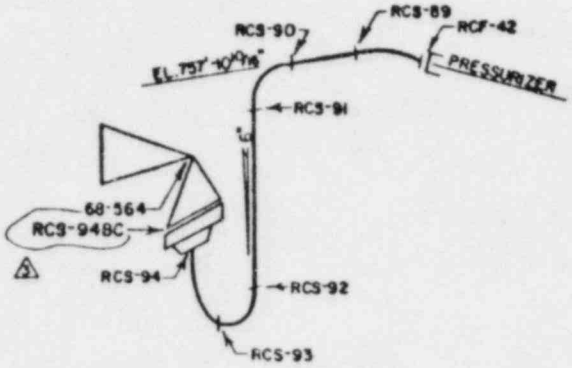
MATERIAL SPECS.
CLASS A
SEE SHEET 1

REFERENCE DRAWINGS
47W465 SERIES
NAVCO A-7548 R-F9C
NAVCO A-7549 R-F4C







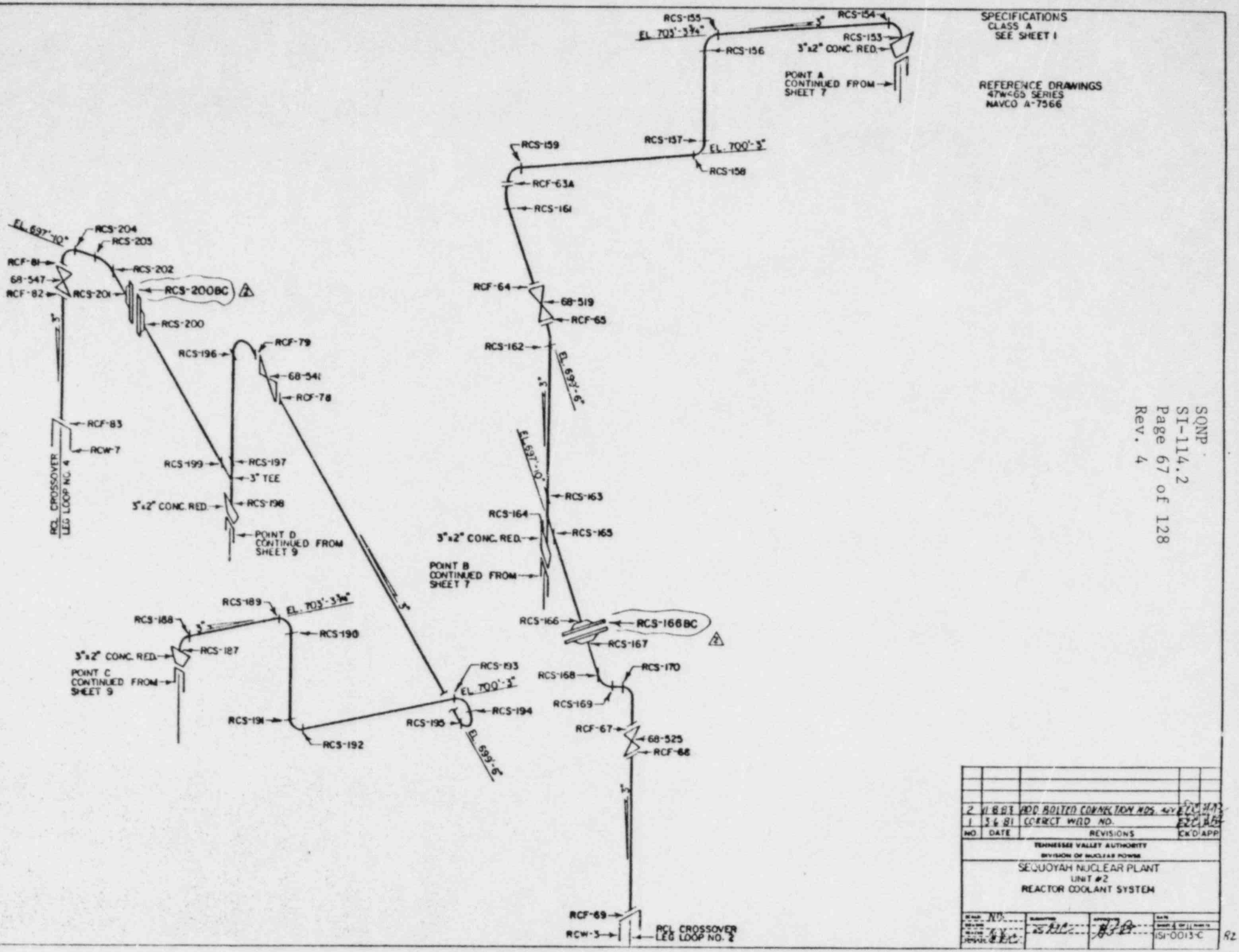


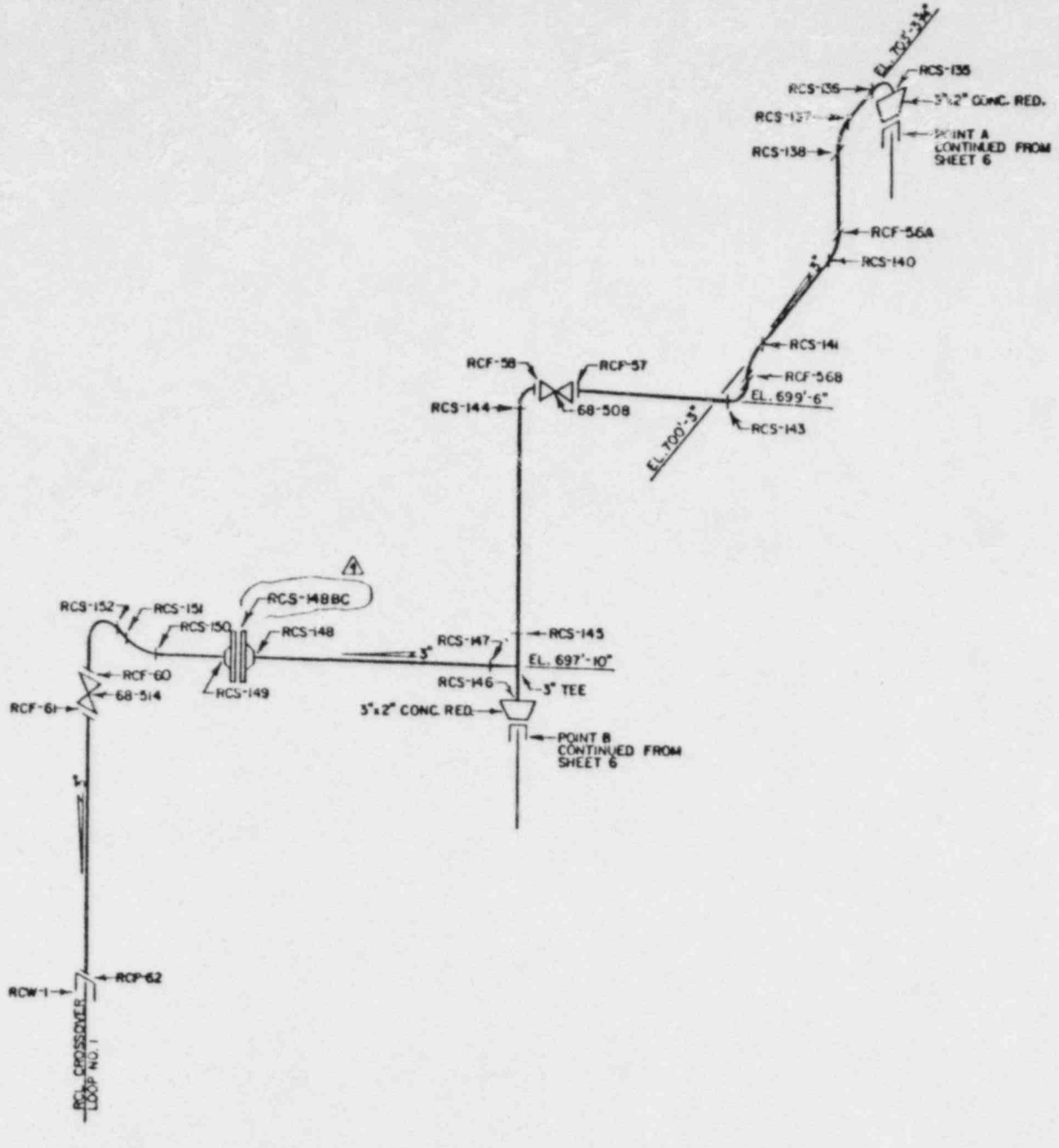
NO.	DATE	REVISIONS	CK'D APP.
3	11-8-83	CORRECT PIPING CONFIGURATION AND ADD BOLTED CONNECTION MOS	
2	4-29-83	ADD WELD NO RCF-25	
1	3-6-81	GENERAL REVISION	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
REACTOR COOLANT SYSTEM

47W465-1 REV 3


RCS-155
EL. 703'-3¾"
3"
RCS-154
RCS-153
3"x2" CONC. RED.
RCS-156
POINT A
CONTINUED FROM
SHEET 7
RCS-157
EL. 700'-3"
RCS-158
RCS-159
RCF-63A
RCS-161
RCF-64
68-519
RCF-65
RCS-162
EL. 697'-6"
EL. 697'-0"
RCS-163
RCS-164
3"x2" CONC. RED.
RCS-165
POINT B
CONTINUED FROM
SHEET 7
RCS-166
RCS-166BC
RCS-167
RCS-168
RCS-170
RCS-169
RCF-67
68-525
RCF-68
RCF-69
RCW-3
RCL CROSSOVER
LEG LOOP NO. 2
EL. 697'-10"
RCS-204
RCS-205
RCF-81
RCS-202
68-547
RCF-82
RCS-201
RCS-200BC
RCS-200
RCS-196
RCF-79
68-541
RCF-78
RCF-83
RCW-7
RCL CROSSOVER
LEG LOOP NO. 4
RCS-199
RCS-197
3" TEE
3"x2" CONC. RED.
RCS-198
POINT D
CONTINUED FROM
SHEET 9
RCS-189
EL. 703'-3¾"
RCS-188
3"
RCS-190
3"x2" CONC. RED.
RCS-187
POINT C
CONTINUED FROM
SHEET 9
RCS-193
EL. 700'-3"
RCS-194
RCS-191
RCS-195
RCS-192
EL. 699'-6"
SPECIFICATIONS
CLASS A
SEE SHEET 1
REFERENCE DRAWINGS
47W465 SERIES
NAVCO A-7566
2 11 8 83 ADD BOLTED CONNECTION NOS. 4 & 7
1 3 6 81 CORRECT WELD NO.
NO DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
REACTOR COOLANT SYSTEM
ISI-0013-C



SPECIFICATIONS
CLASS A
SEE SHEET 1

REFERENCE DRAWINGS
47W465 SERIES
NAVCO A-7563

NO	DATE	REVISIONS	OK'D
4	11-8-83	ADD BOLTED CONNECTION NO. 48	
3	4-2-83	CORRECT WELD NO. REV	
2	3-4-81	CORRECT WELD NO.	
1	2-20-81	ADD WELD NO. RCF-62	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

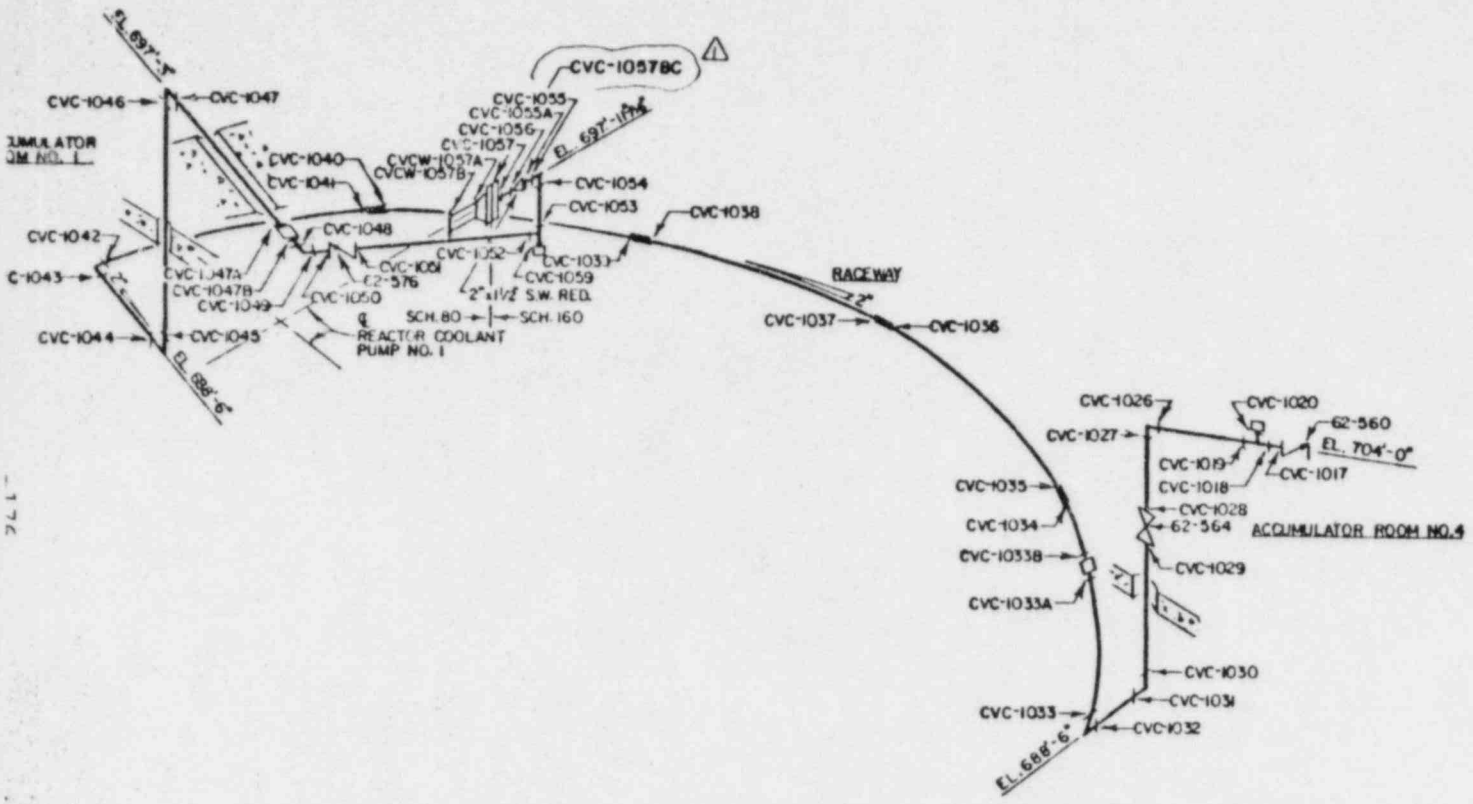
SEQUOYAH NUCLEAR PLANT
UNIT #2
REACTOR COOLANT SYSTEM

SI-0013-C

SPECIFICATIONS
CLASS A
PIPE
STNL. STL. SEAML. A-376 TP-304
2" SCH. 160
1½" SCH. 160
1½" SCH. 80
FITTINGS
STNL. STL. SEAML. A-182 F-304
2" 6000# S.W.

REFERENCE DRAWINGS
47W406-12
47W406-13
47W406-15
2-CVC-500-1W

NOTES
1. WELD NO. CVCW-1057A IS BUTT WELDED

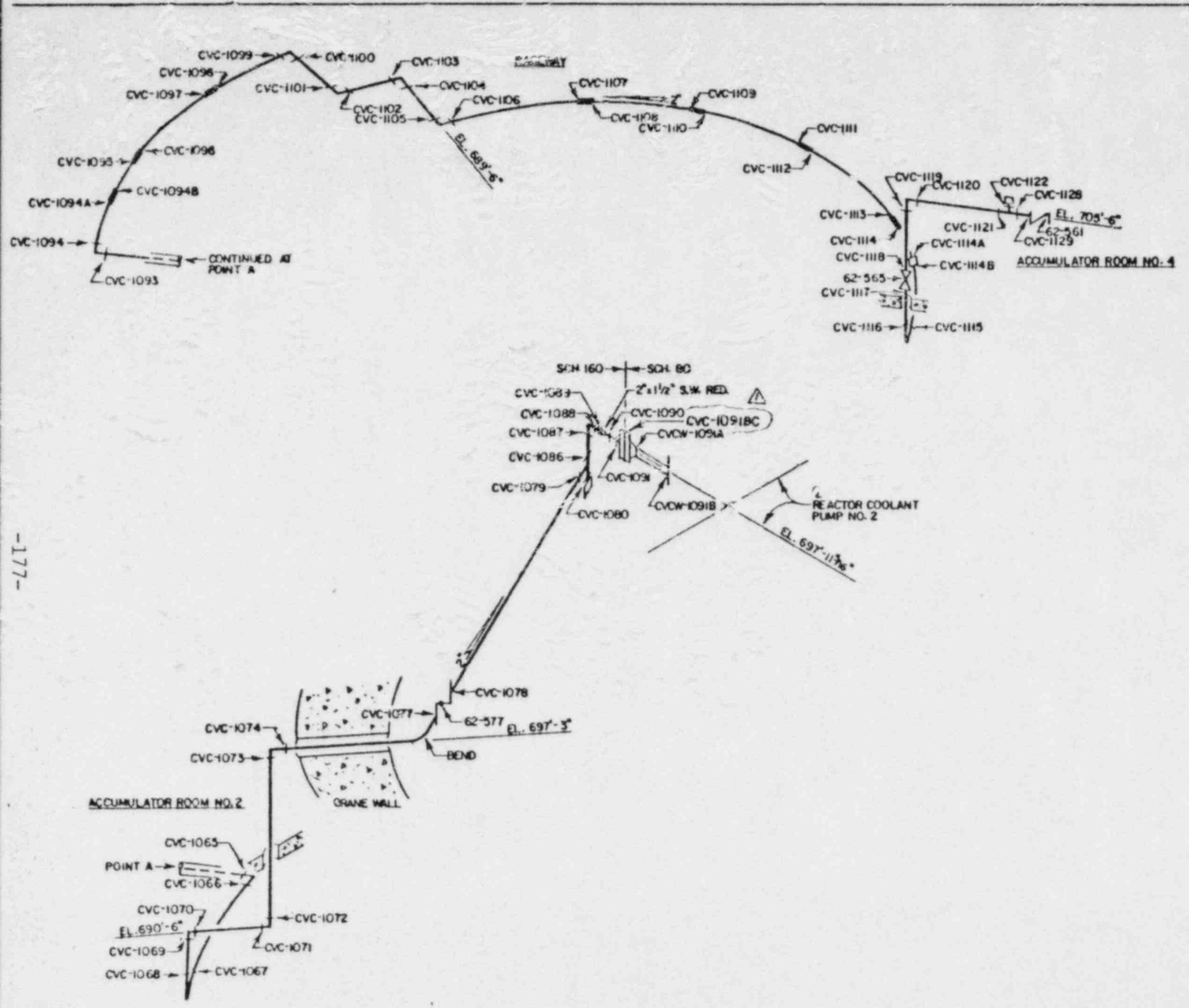


NO.	DATE	REVISIONS	CK'D	APP
1	11-8-83	ADD BOLTED CONNECTION AD 414	[illegible]	[illegible]

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT # 2
SEAL WATER INJECTION
(CHEMICAL AND VOLUME CONTROL SYSTEM)

DES. BLS	[illegible]	[illegible]	DATE 1-26-81
DRAWN [illegible]			SHEET [illegible] OF [illegible] SHEETS
APPROVED [illegible]			MSG 0008 C R1



NO.	DATE	REVISIONS	CK'D	APP
1	11 8 83	ADD BOLTED CONNECTION NO. 4EV		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SEAL WATER INJECTION
(CHEMICAL AND VOLUME CONTROL SYSTEM)

MSG-0008-C R1

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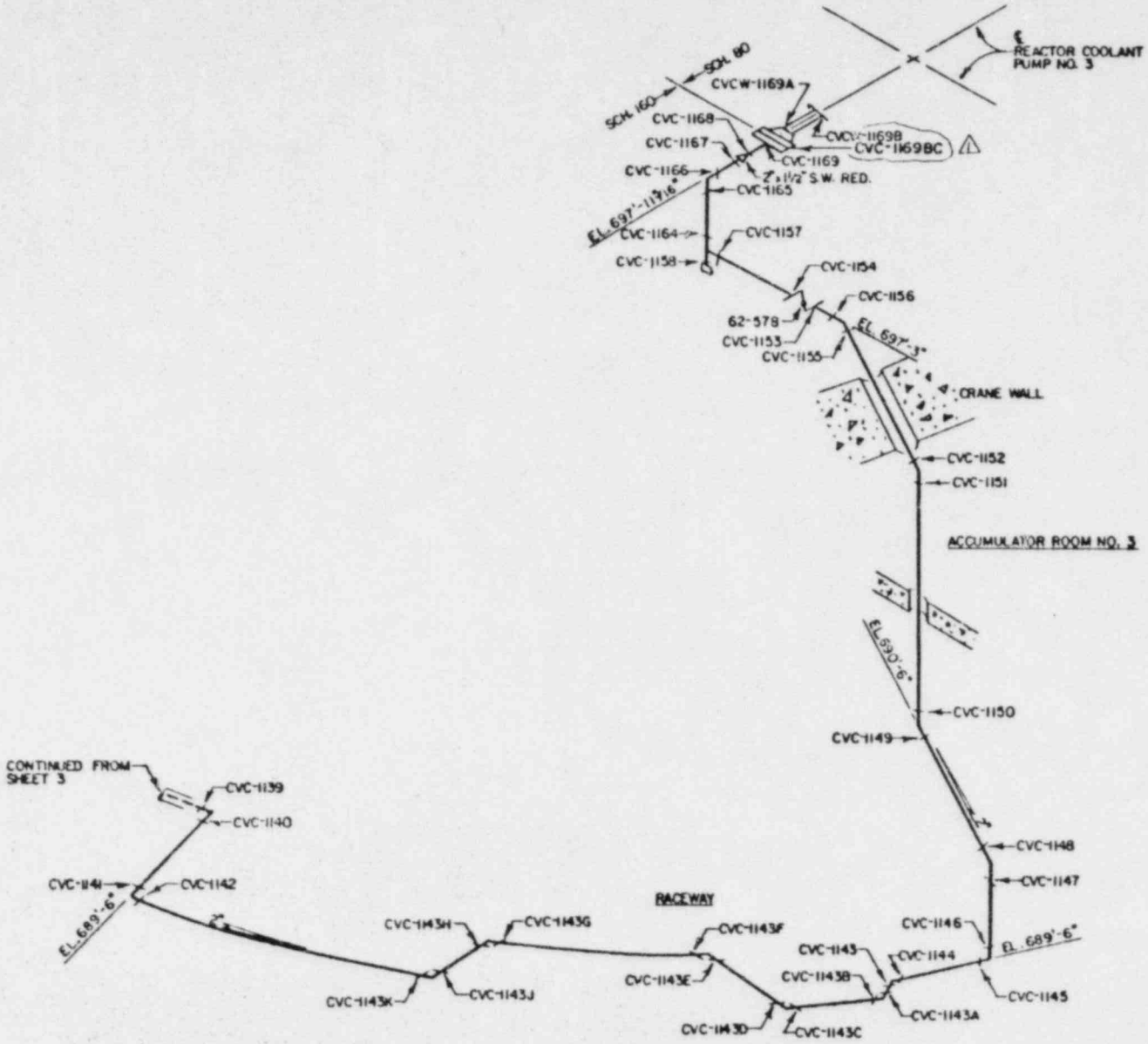
SPECIFICATIONS
CLASS A
SEE SHEET 1

REFERENCE DRAWINGS
47W406-12
47W406-13
2-CVC-502-1W

NOTES
1. WELDS NO. CVC-1169 AND NO. CVCW-1169A ARE BUTT WELDED

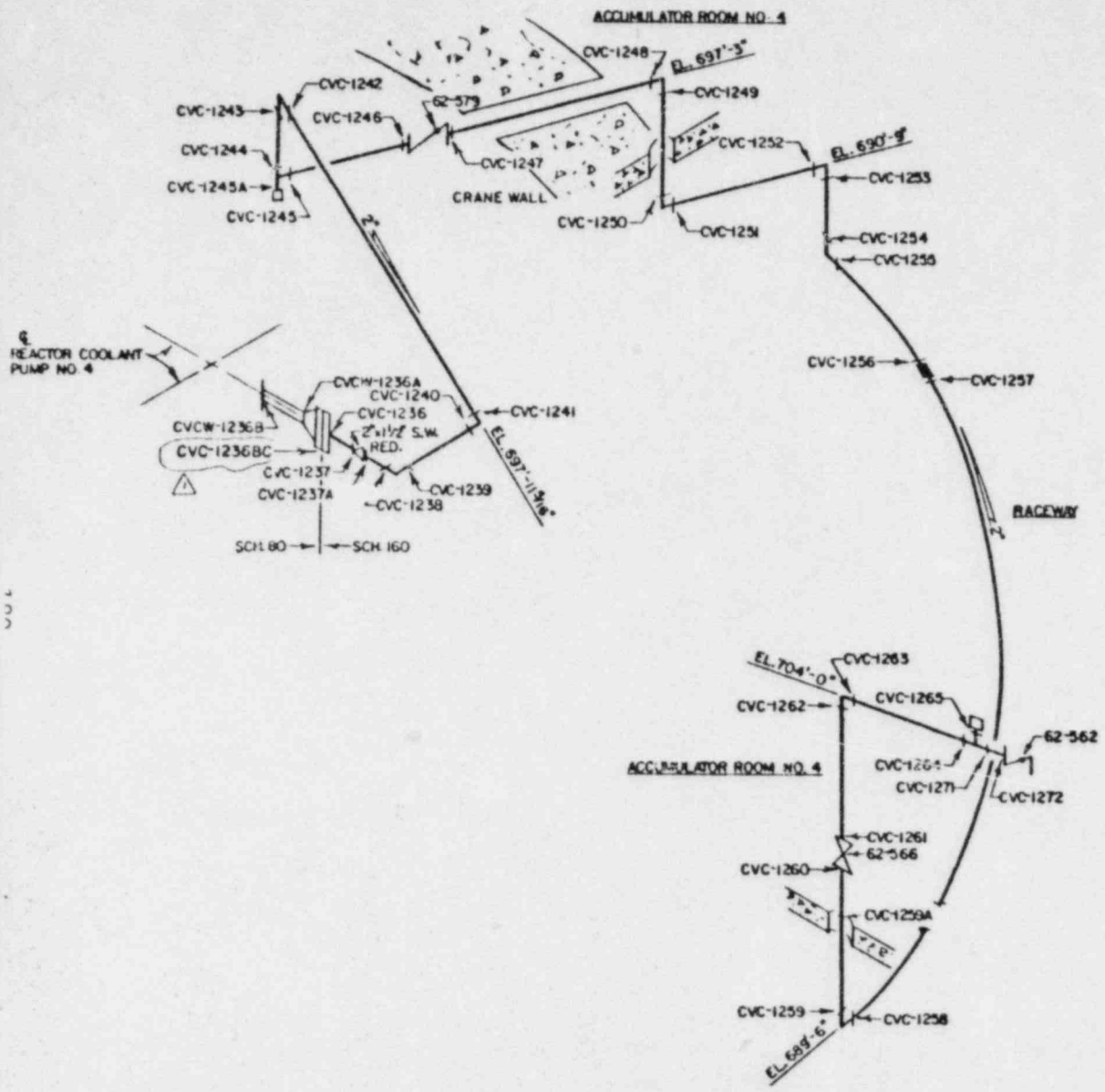


NO.	DATE	REVISIONS	CK'D	APP
1	11-8-83	ADD BOLTED CONNECTION NO. 41V		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SEAL WATER INJECTION
(CHEMICAL AND VOLUME CONTROL SYSTEM)

DESIGN ATS | DRAWN | APPROVED | DATE 1-31-84
MSG(A)-8-C



SPECIFICATIONS
CLASS A
SEE SHEET 1

REFERENCE DRAWINGS
47W406-12
47W406-14
47W406-15
2-CVC-503-1W

NOTES
1. WELDS NO. CVC-1236 AND NO. CVCW-1236A ARE BUTT WELDED.

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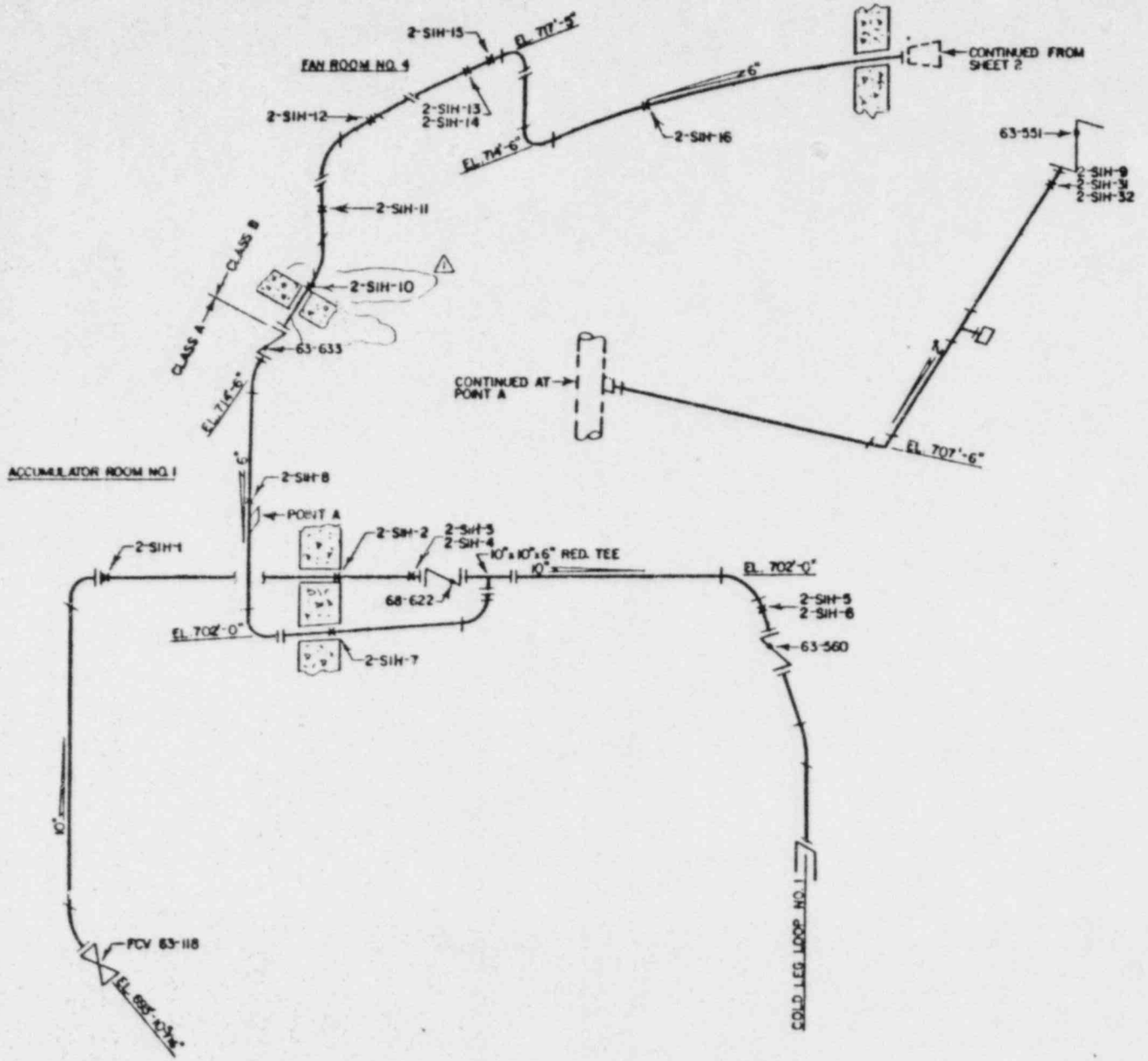
NO.	DATE	REVISIONS	CK'D	APP
1	11-8-85	ADD BOXED CONNECTION NO. [illegible]		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SEAL WATER INJECTION
(CHEMICAL AND VOLUME CONTROL SYSTEM)

MSG-0008-C



REFERENCE DRAWINGS
47W435 SERIES A-7540 2-SI-506-1W 0600102-09-01
PIPE SCHEDULES
CLASS A 10" SCH 140 6" SCH 160 2" SCH 160
CLASS B 8" SCH 140 6" SCH 160

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NO.	DATE	REVISIONS	BY	CK'D	APP'D
1	11-8-83	CORRECT HANGER LOCATIONS	KRV		

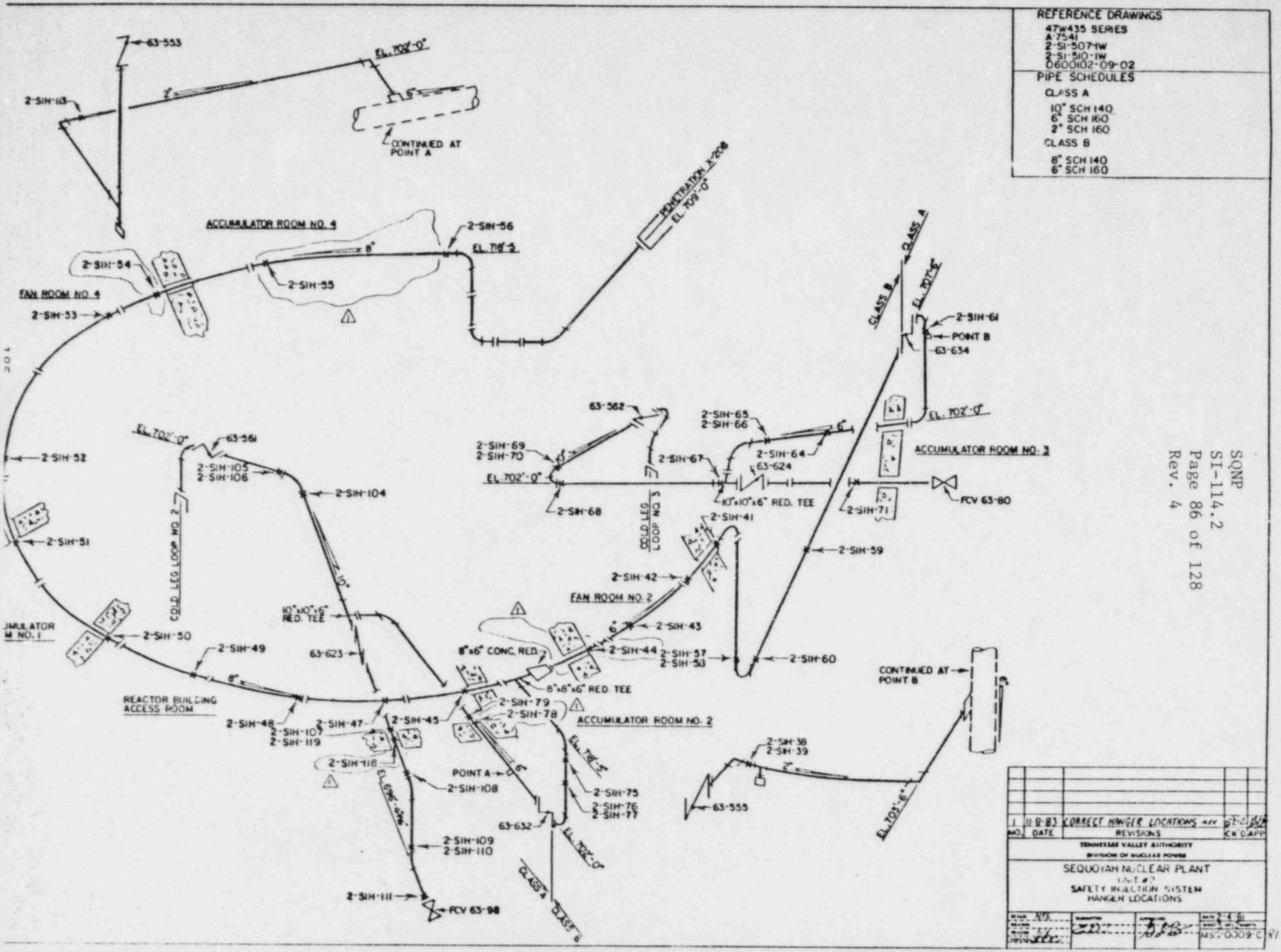
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SAFETY INJECTION SYSTEM
HANGER LOCATIONS

DRAWN	SUBMITTED	APPROVED	DATE
RVS			4-21

MSG-0009-C

81


REFERENCE DRAWINGS
47W435 SERIES
A 7541
2-SI-507-1W
2-SI-510-1W
0600102-09-02
PIPE SCHEDULES
CLASS A
10" SCH 140
6" SCH 160
2" SCH 160
CLASS B
8" SCH 140
6" SCH 160
63-553
EL. 702'-0"
2-SIH-113
CONTINUED AT POINT A
ACCUMULATOR ROOM NO. 4
2-SIH-56
EL. 719'-5"
2-SIH-54
2-SIH-55
FAN ROOM NO. 4
2-SIH-53
PENETRATION X-208
EL. 709'-0"
CLASS A
CLASS B
EL. 707'-5"
2-SIH-61
POINT B
63-634
EL. 702'-0"
ACCUMULATOR ROOM NO. 3
63-562
2-SIH-65
2-SIH-66
2-SIH-69
2-SIH-70
2-SIH-67
2-SIH-64
63-624
10"x10"x6" RED. TEE
2-SIH-68
2-SIH-71
FCV 63-80
2-SIH-41
2-SIH-59
2-SIH-42
FAN ROOM NO. 2
2-SIH-43
2-SIH-44
2-SIH-37
2-SIH-53
2-SIH-60
8"x8"x6" RED. TEE
ACCUMULATOR ROOM NO. 2
CONTINUED AT POINT B
2-SIH-38
2-SIH-39
63-555
EL. 705'-6"
2-SIH-52
2-SIH-51
2-SIH-50
2-SIH-49
2-SIH-48
2-SIH-107
2-SIH-119
2-SIH-47
2-SIH-45
2-SIH-79
2-SIH-78
2-SIH-118
EL. 696'-6"
POINT A
2-SIH-108
2-SIH-75
2-SIH-76
2-SIH-77
63-632
2-SIH-109
2-SIH-110
2-SIH-111
FCV 63-98
EL. 719'-5"
EL. 702'-0"
63-561
2-SIH-105
2-SIH-106
2-SIH-104
10"
10"x10"x6" RED. TEE
63-623
8"x6" CONC. RED.
COLD LEG LOOP NO 2
COLD LEG LOOP NO 3
REACTOR BUILDING ACCESS ROOM
1 11-8-83 CORRECT HANGER LOCATIONS NEW
NO. DATE REVISIONS
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
SAFETY INJECTION SYSTEM
HANGER LOCATIONS
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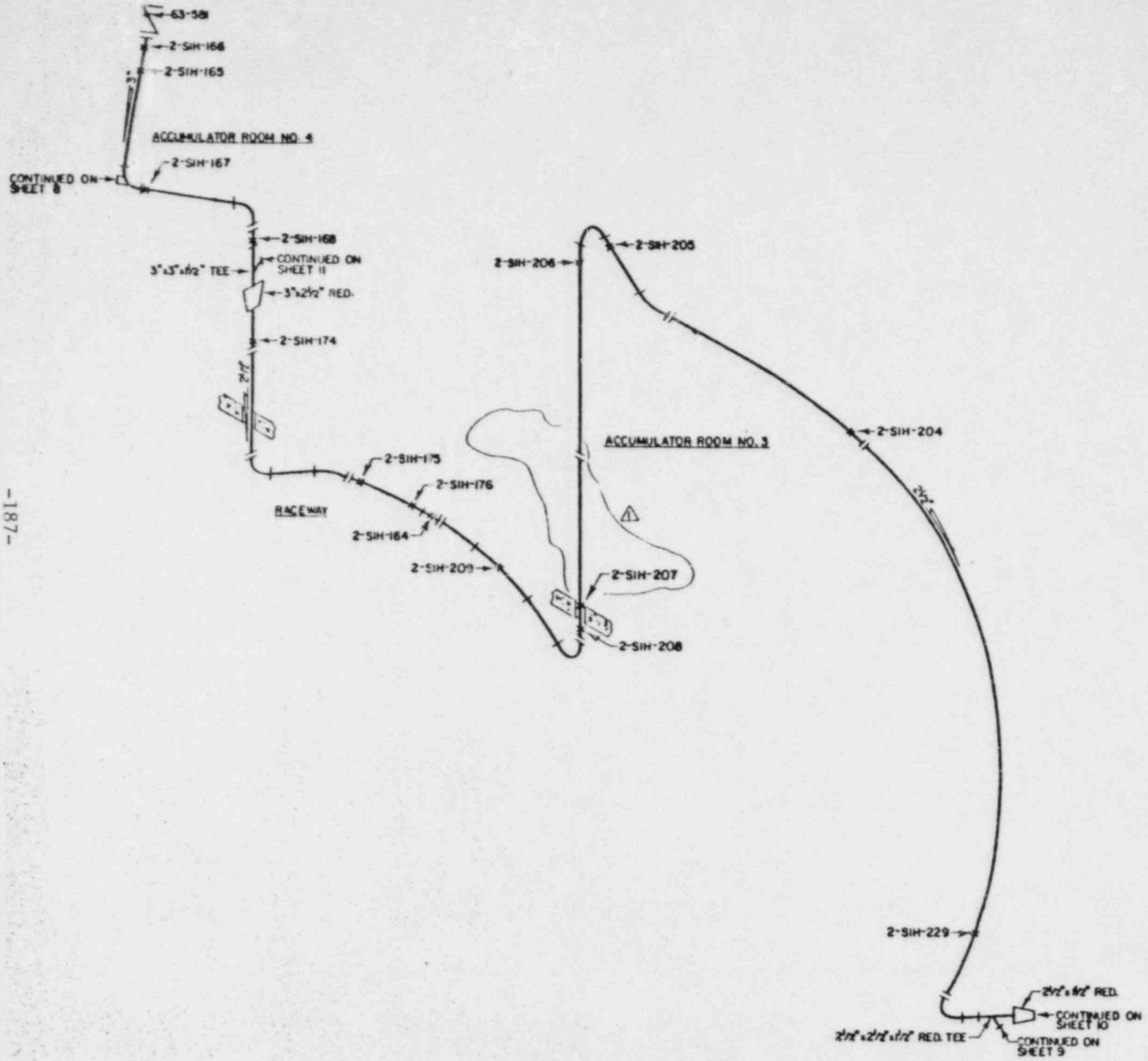

REFERENCE DRAWINGS

47W435 SERIES
A-7543
0600102-09-05
0600102-09-06

PIPE SCHEDULES

CLASS A

3" SCH 160
2½" SCH 160

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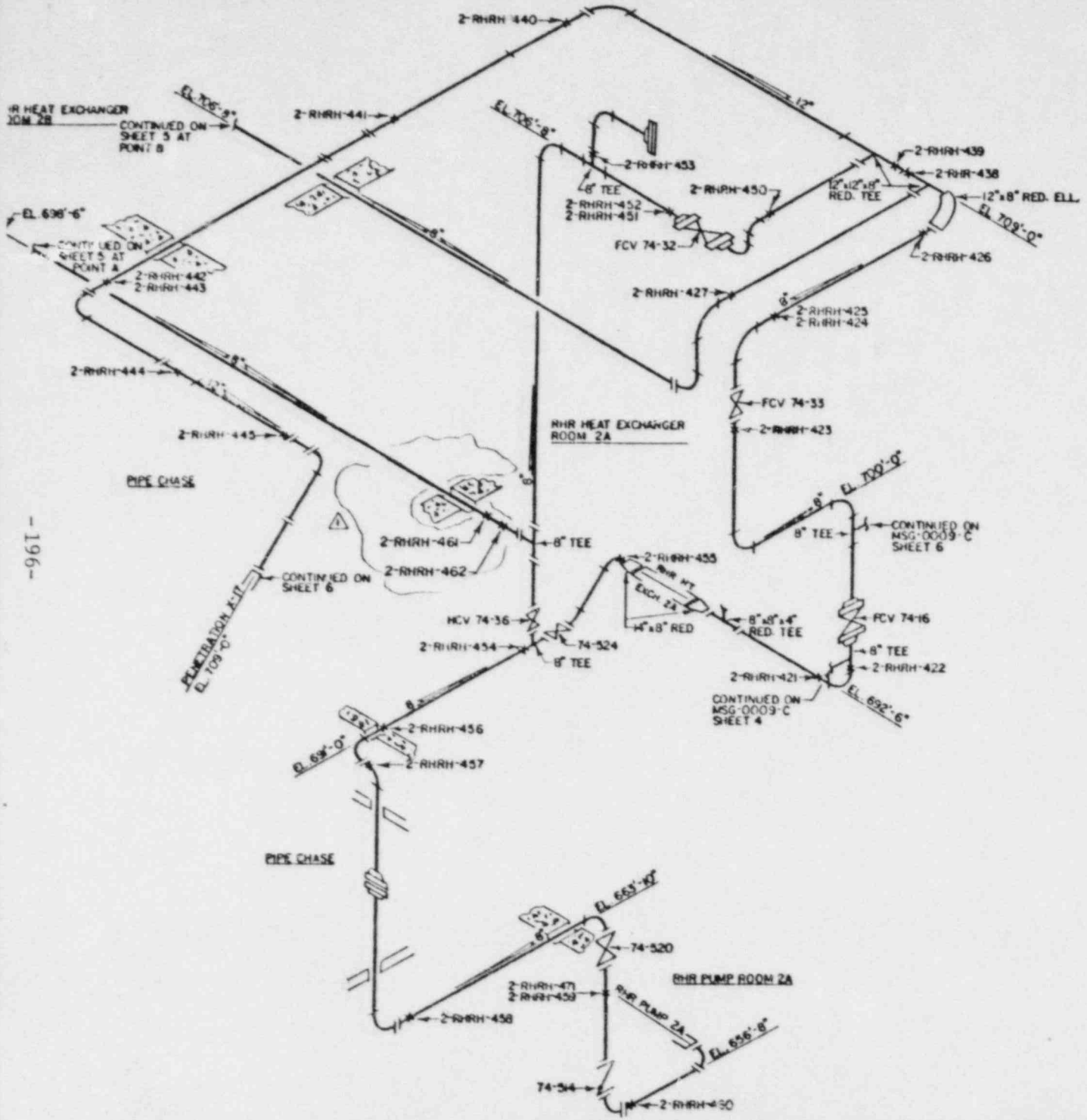
NO.	DATE	REVISIONS	CK'D APP'D
1	11-8-83	CURRENT HANGER LOCATIONS REV	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT # 2
SAFETY INJECTION SYSTEM
HANGER LOCATIONS

MSG 000572



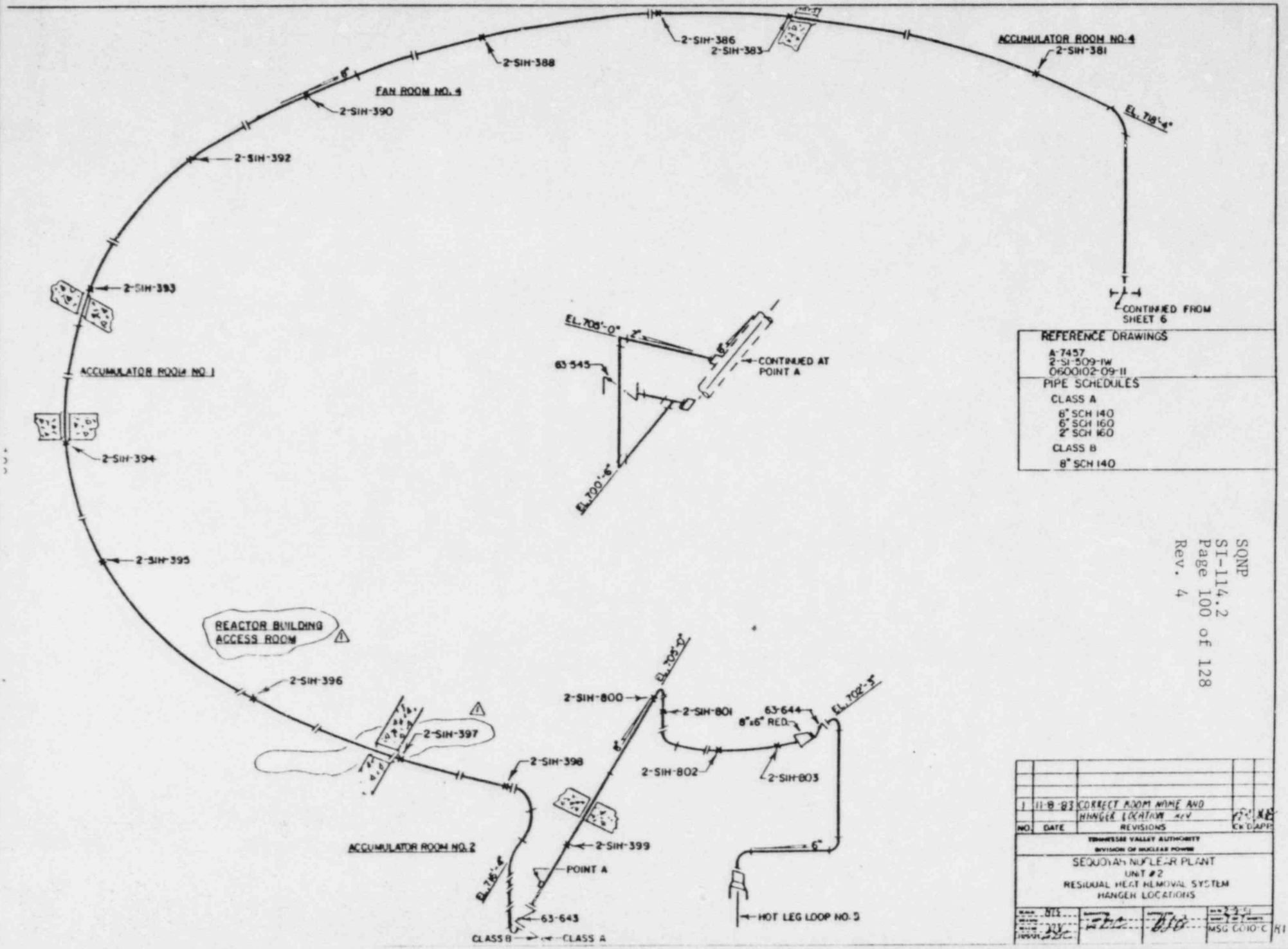
REFERENCE DRAWINGS
A-7454 47K432-50
PIPE SCHEDULES
CLASS B 12" SCH 40 8" SCH 40S

NO	DATE	REVISIONS	CK'D APP'D
1	11-8-83	CORRECT HANGER LOCATIONS	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
RESIDUAL HEAT REMOVAL SYSTEM
HANGER LOCATIONS

MSG-0010-C R1



REFERENCE DRAWINGS

A-7457
2-SI-509-1W
0600102-09-11

PIPE SCHEDULES

CLASS A
8" SCH 140
6" SCH 160
2" SCH 160

CLASS B
8" SCH 140

NO.	DATE	REVISIONS	CK'D	APP'D
1	11-8-83	CORRECT ROOM NAME AND HANGER LOCATION AS-BUILT		KE

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
RESIDUAL HEAT REMOVAL SYSTEM
HANGER LOCATIONS

MSG 0010-C R1

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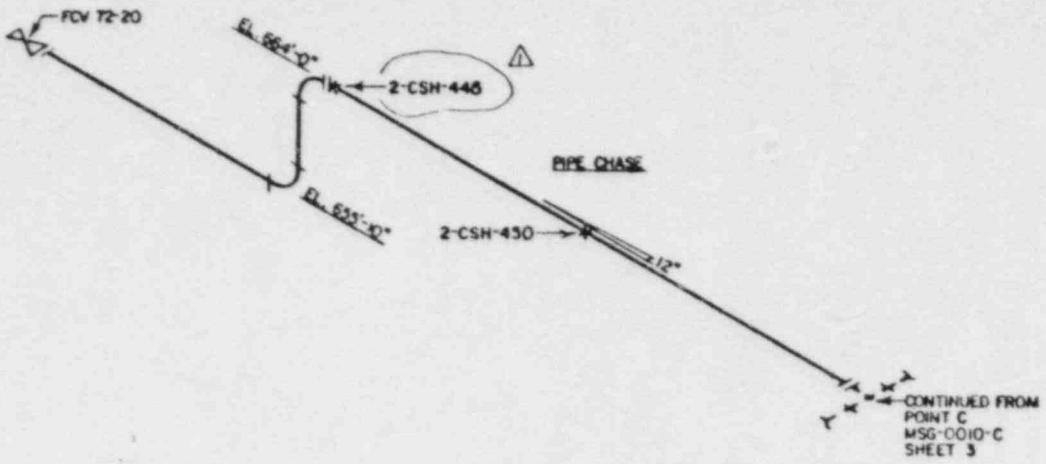
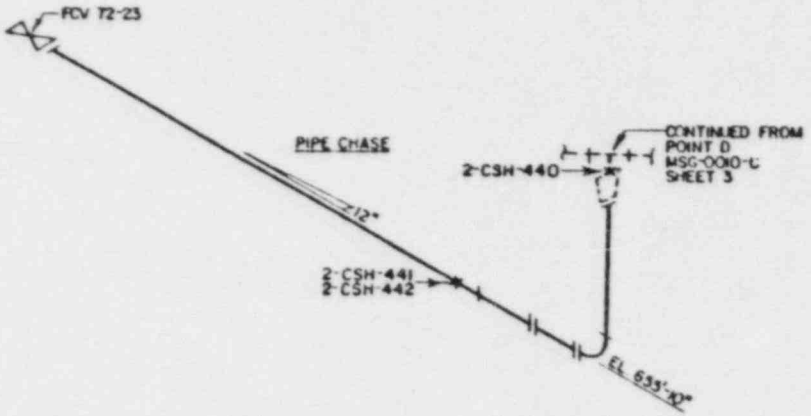
REFERENCE DRAWINGS
1SI-0007-C
47K435-51

PIPE SCHEDULES
CLASS B
12" SCH 40





NO.	DATE	REVISIONS	CK'D	APP'D
1	11-8-83	CORRECT HANGER NUMBER 5CX	[illegible]	[illegible]

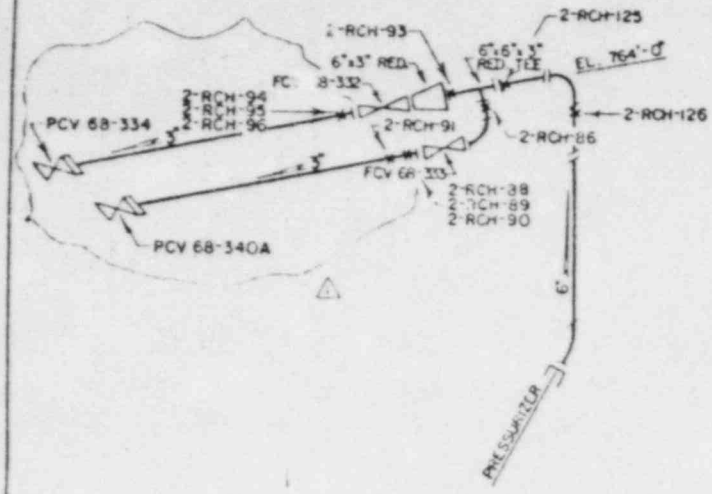
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

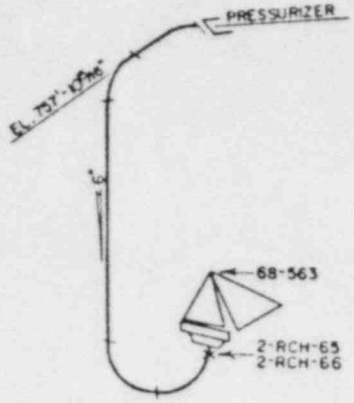
SEQUOYAH NUCLEAR PLANT
UNIT #2
CONTAINMENT SPRAY SYSTEM
HANGER LOCATIONS

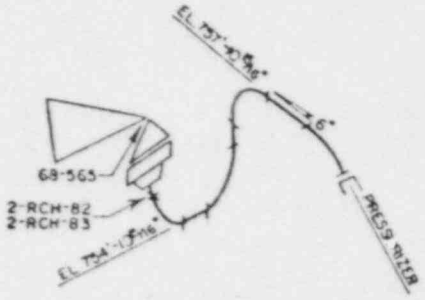
SCALE: NTS | DESIGNED | DRAWN | CHECKED | APPROVED | DATE: 2-17-81 | SHEET 1 OF 1 SHEETS | MSG-0011-C | R1

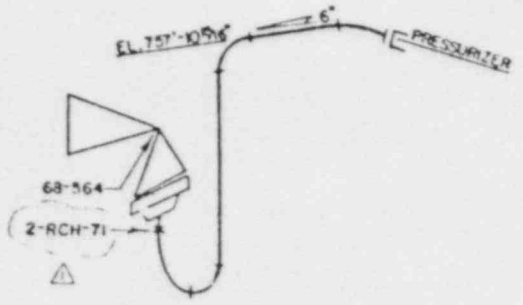
REFERENCE DRAWINGS
1SI-0013-C
0600102-13-03

PIPE SCHEDULES
CLASS A
6" SCH 160
3" SCH 160





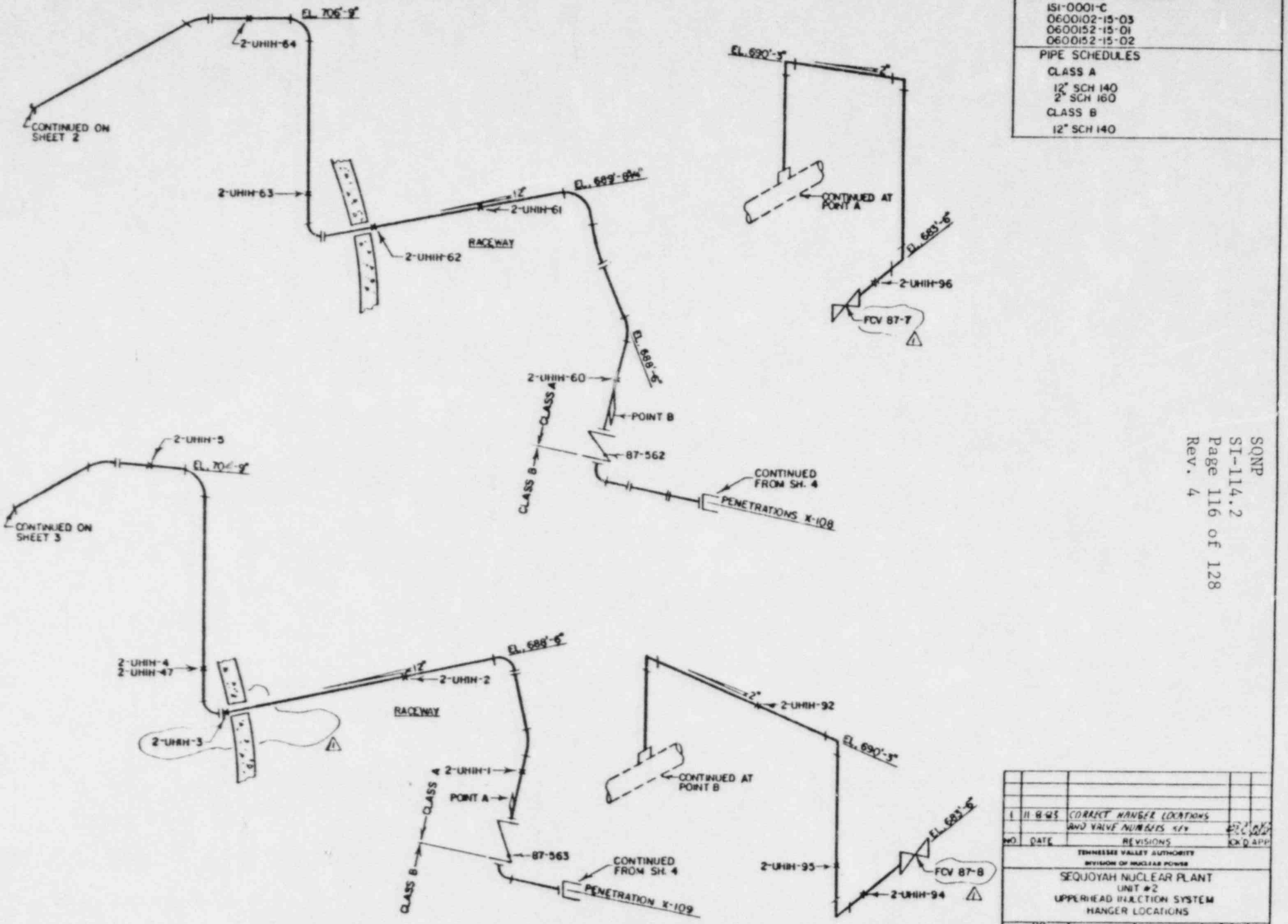


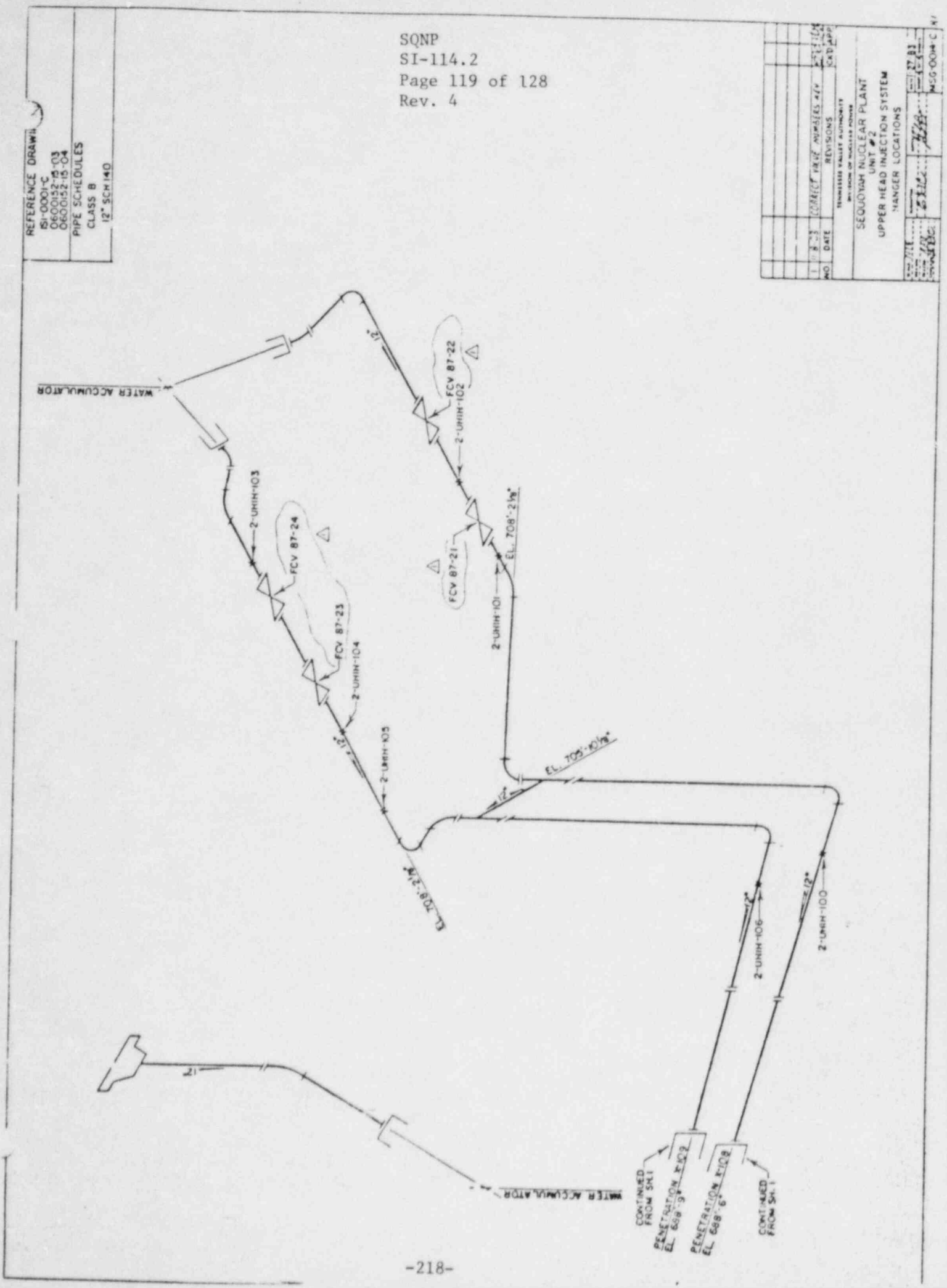


NO.	DATE	REVISIONS	CK'D APP'D
1	11 8 83	CORRECT PIPING CLASSIFICATION AND DELETED HANGER 2-RCH-90 REV 2	

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
REACTOR COOLANT SYSTEM
HANGER LOCATIONS


REFERENCE DRAWINGS
1SI-0001-C
0600102-15-03
0600152-15-01
0600152-15-02
PIPE SCHEDULES
CLASS A
12" SCH 140
2" SCH 160
CLASS B
12" SCH 140
EL. 706'-9"
2-UHIH-64
CONTINUED ON SHEET 2
2-UHIH-63
12"
EL. 689'-6"
2-UHIH-61
RACEWAY
2-UHIH-62
EL. 690'-5"
2"
CONTINUED AT POINT A
EL. 683'-6"
2-UHIH-96
FCV 87-7
2-UHIH-60
EL. 688'-6"
CLASS A
POINT B
87-562
CLASS B
CONTINUED FROM SH. 4
PENETRATIONS X-108
2-UHIH-5
EL. 706'-9"
CONTINUED ON SHEET 3
2-UHIH-4
2-UHIH-47
12"
EL. 688'-5"
2-UHIH-2
RACEWAY
2-UHIH-3
2-UHIH-1
POINT A
CLASS A
87-563
CLASS B
CONTINUED FROM SH. 4
PENETRATION X-109
2"
2-UHIH-92
EL. 690'-5"
CONTINUED AT POINT B
EL. 683'-6"
2-UHIH-95
FCV 87-8
2-UHIH-94
1 11 8 95 CORRECT HANGER LOCATIONS AND VALVE NUMBERS
NO DATE REVISIONS BY APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
UPPERHEAD INJECTION SYSTEM
HANGER LOCATIONS
MSG-0014-C

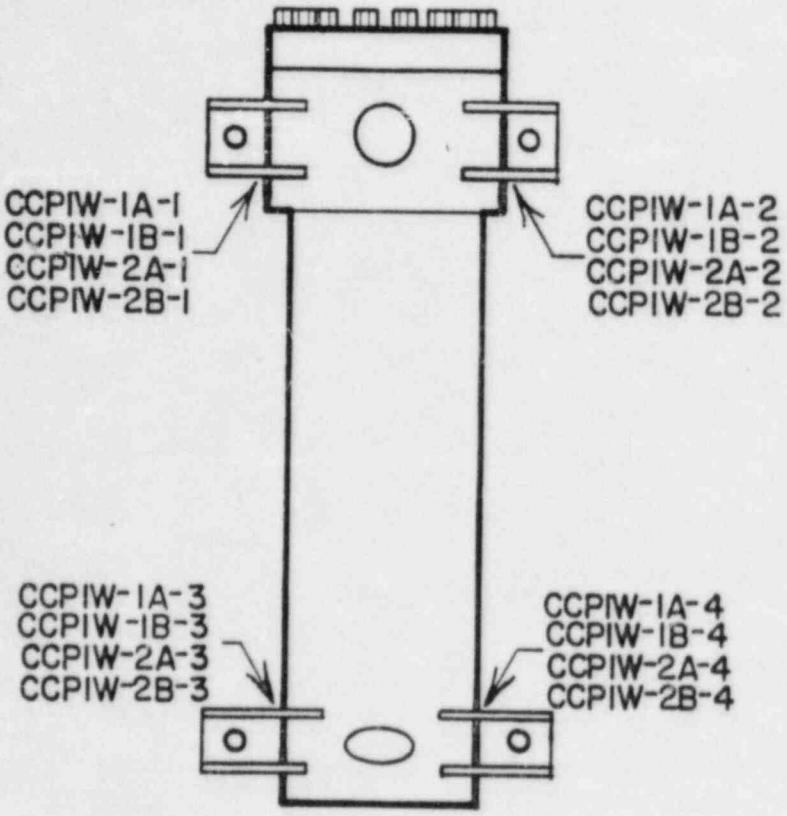

REFERENCE DRAWN
1SI-0001-C
0600152-15-03
0600152-15-04
PIPE SCHEDULES
CLASS B
12" SCH 140
SEQUOYAH NUCLEAR PLANT
UNIT #2
UPPER HEAD INJECTION SYSTEM
HANGER LOCATIONS
WATER ACCUMULATOR
2"
FCV 87-22
2-UHIH-102
2-UHIH-103
FCV 87-24
FCV 87-21
EL. 708'-2½"
FCV 87-23
2-UHIH-104
2-UHIH-101
12"
2-UHIH-105
EL. 705'-10½"
EL. 704'-2½"
2-UHIH-106
2-UHIH-100
CONTINUED FROM SK-1
PENETRATION #102
EL 688'-3"
PENETRATION #103
EL 688'-6"
CONTINUED FROM SK-1

REFERENCE DRAWINGS

FC-45619

NOTES

1. THE PUMP FEET ARE BOLTED TO A COMMON SUPPORT.
2. PUMP SUPPORT NUMBERS
   CCPH-1A-A
   CCPH-1B-B
   CCPH-2A-A
   CCPH-2B-B
3. THE PUMP FEET ARE INTERGALLY WELDED TO THE CASING.

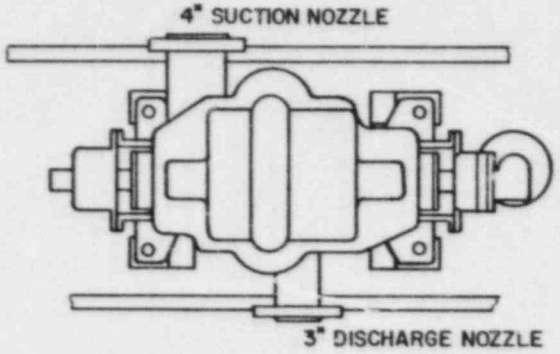


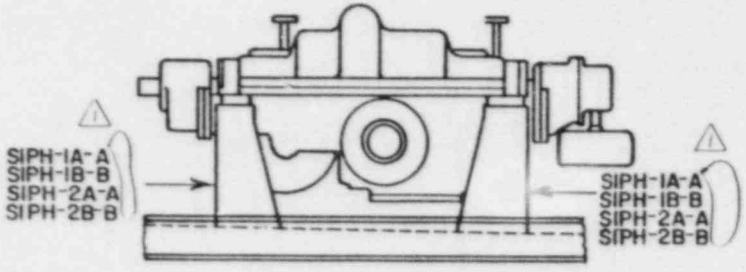
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
CENTRIFUGAL CHARGING PUMP SUPPORTS

SCALE: NTS	SUBMITTED EDC	APPROVED	DATE 3-27-84
DRAWN REV			SHEET OF SHEETS
TRACED			ISI-0146-A
CHECKED EDC			

REFERENCE DRAWINGS
FC-45648-4
TVA SAFETY CLASS B





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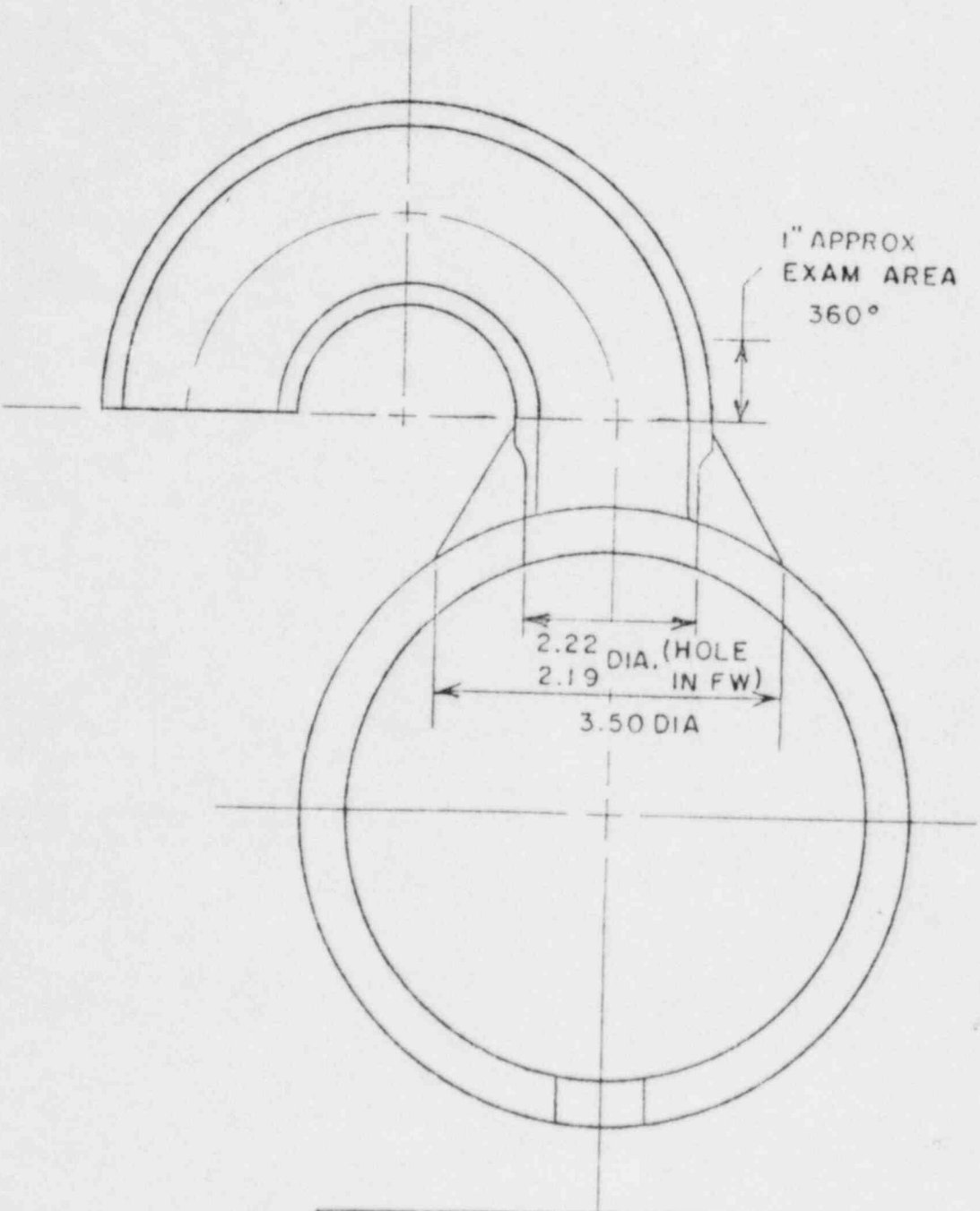
NO	DATE	REVISIONS	CK'D	APP
1	7-25-84	DELETED NUMBERS		

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
SAFETY INJECTION PUMP SUPPORTS

SCALE N/S	DRAWN EDC	APPROVED	DATE 3-30-84
			ISI-0147-B R1



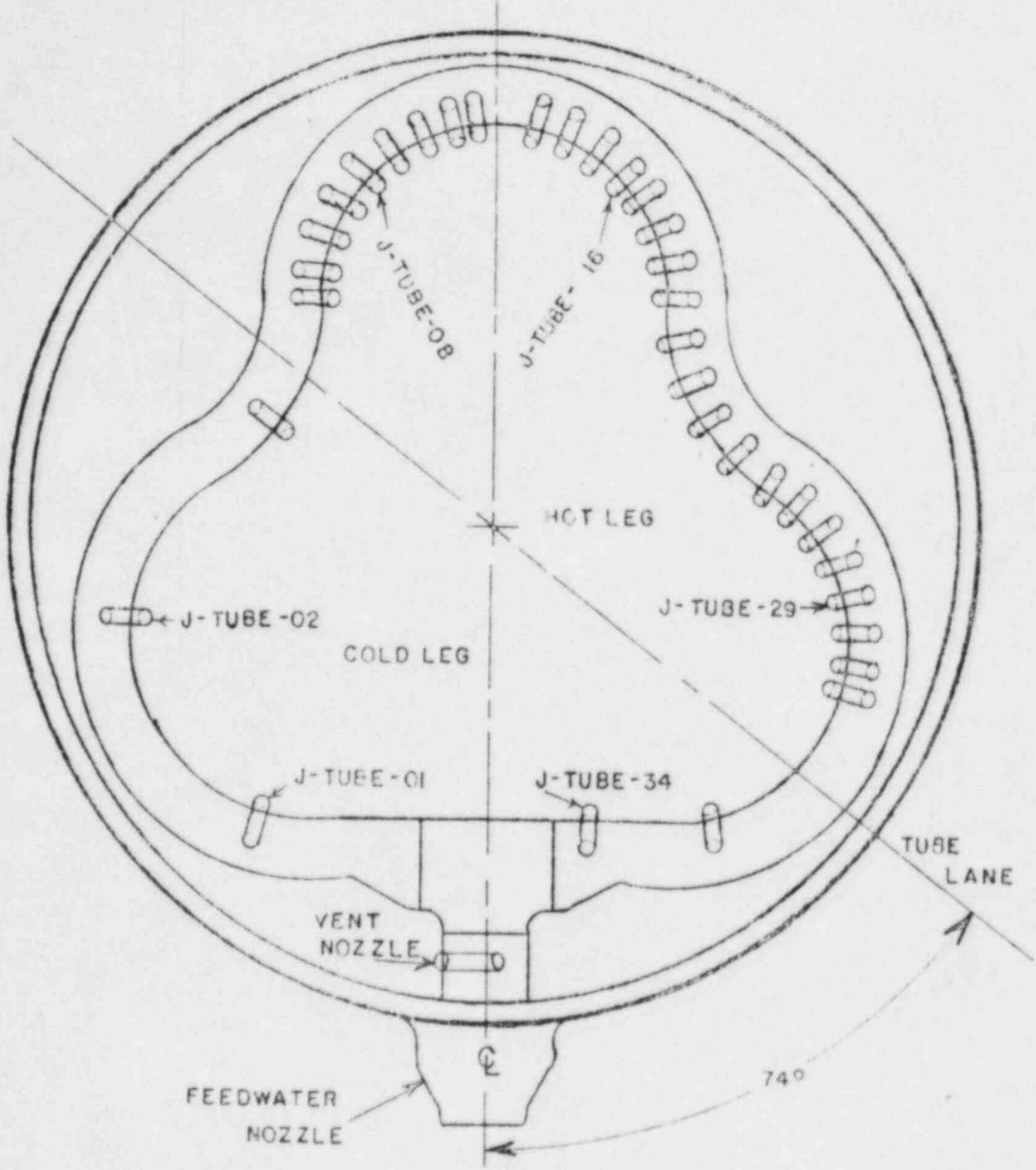
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS 1 AND 2 STEAM
GENERATOR FEEDRINGS J-TUBES

MATERIAL
2" SCH 80, N.W. 0.218"

REFERENCE DRAWING
W 1102 J 70

SCALE: NONE
DRAWN
TRACED
CHECKED
SUBMITTED
APPROVED
DATE 1-16-84
SHEET 1 OF 3 SHEETS
ISI-0134-A



VIEW LOOKING DOWN

NOTES:

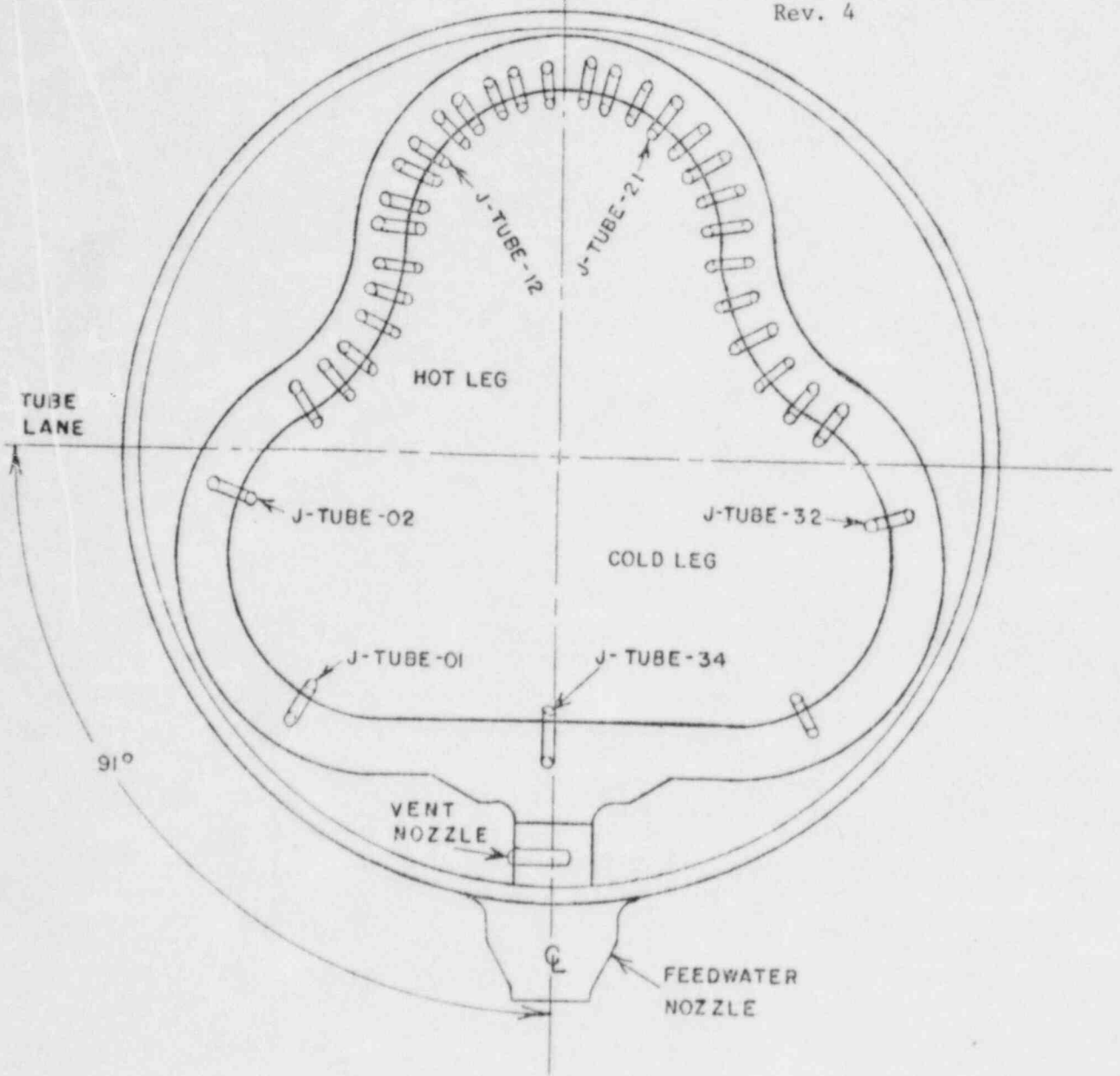
1. DWG APPLIES TO:
   UNIT-1, STM. GENS. 1&3
   UNIT-2, STM. GENS. 2&4
2. 34 J-TUBES PER STM. GEN.

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS-1&2 STEAM GENERATOR
FEEDWATER RING J-TUBES

REFERENCE DRAWING
W 1103J64

SCALE: NONE	SUBMITTED	APPROVED	DATE 1-27-84
DRAWN			SHEET 2 OF 3 SHEETS
TRACED			ISI-0134-A
CHECKED			



VIEW LOOKING DOWN

NOTES:

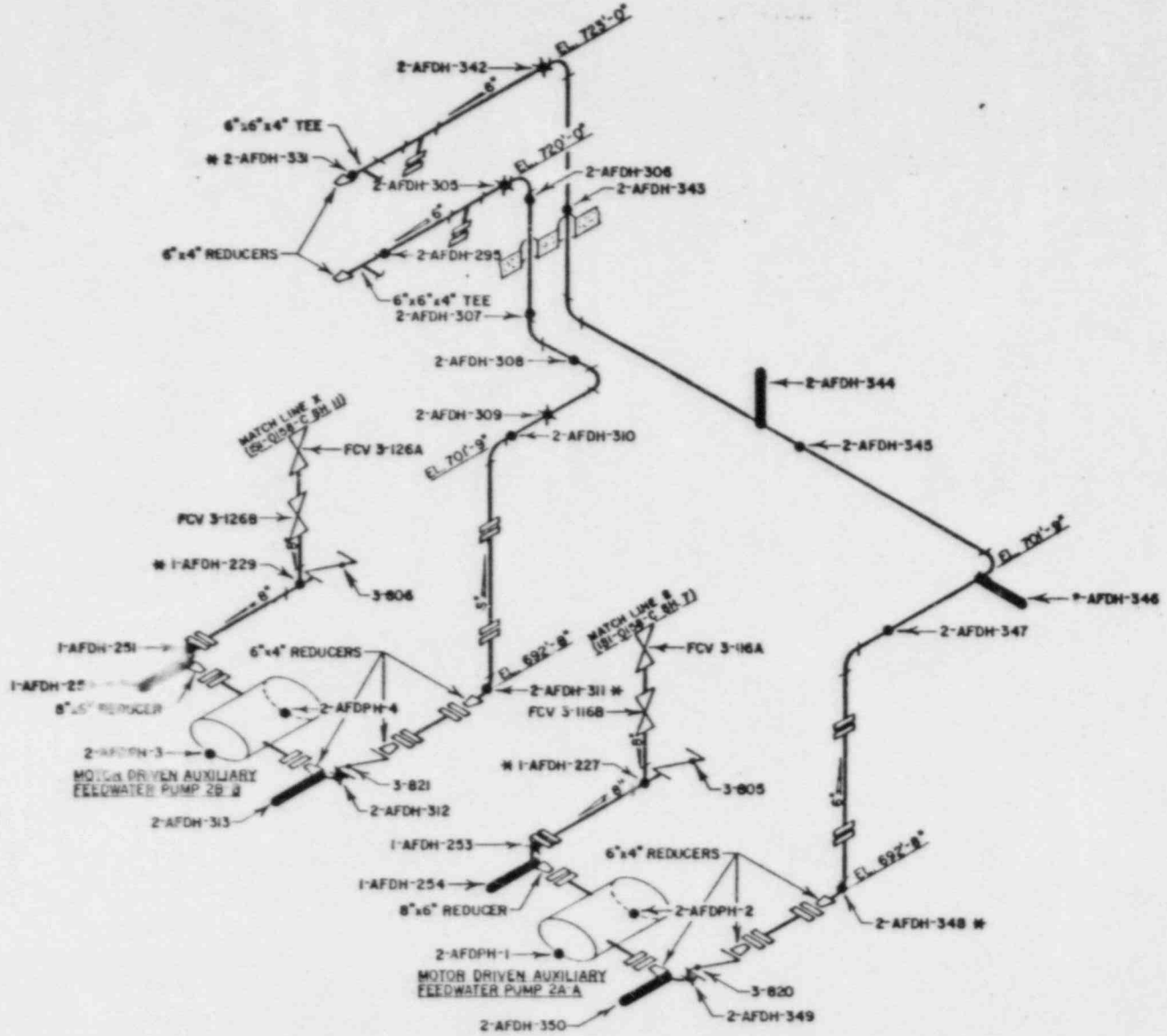
1. DWG APPLIES TO:
   UNIT-1, STM. GENS. 2&4
   UNIT-2, STM. GENS. 1&3
2. 34 J-TUBES PER STM. GEN.

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS-1&2 STEAM GENERATOR
FEEDWATER RING J-TUBES

REFERENCE DRAWING
W1103J63

SCALE: NONE	SUBMITTED	APPROVED	DATE 1-27-84
DRAWN			SHEET 3 OF 3 SHEETS
TRACED			ISI-0134-A
CHECKED			



REFERENCE DRAWINGS
47W427-56
47W427-59
47W427-63

LEGEND
- RIGID SUPPORT
- VARIABLE SUPPORT
- RIGID STRUTT
- WELDED ATTACHMENTS

TVA SAFETY CLASS C

NO.	DATE	REVISIONS	BY	D'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

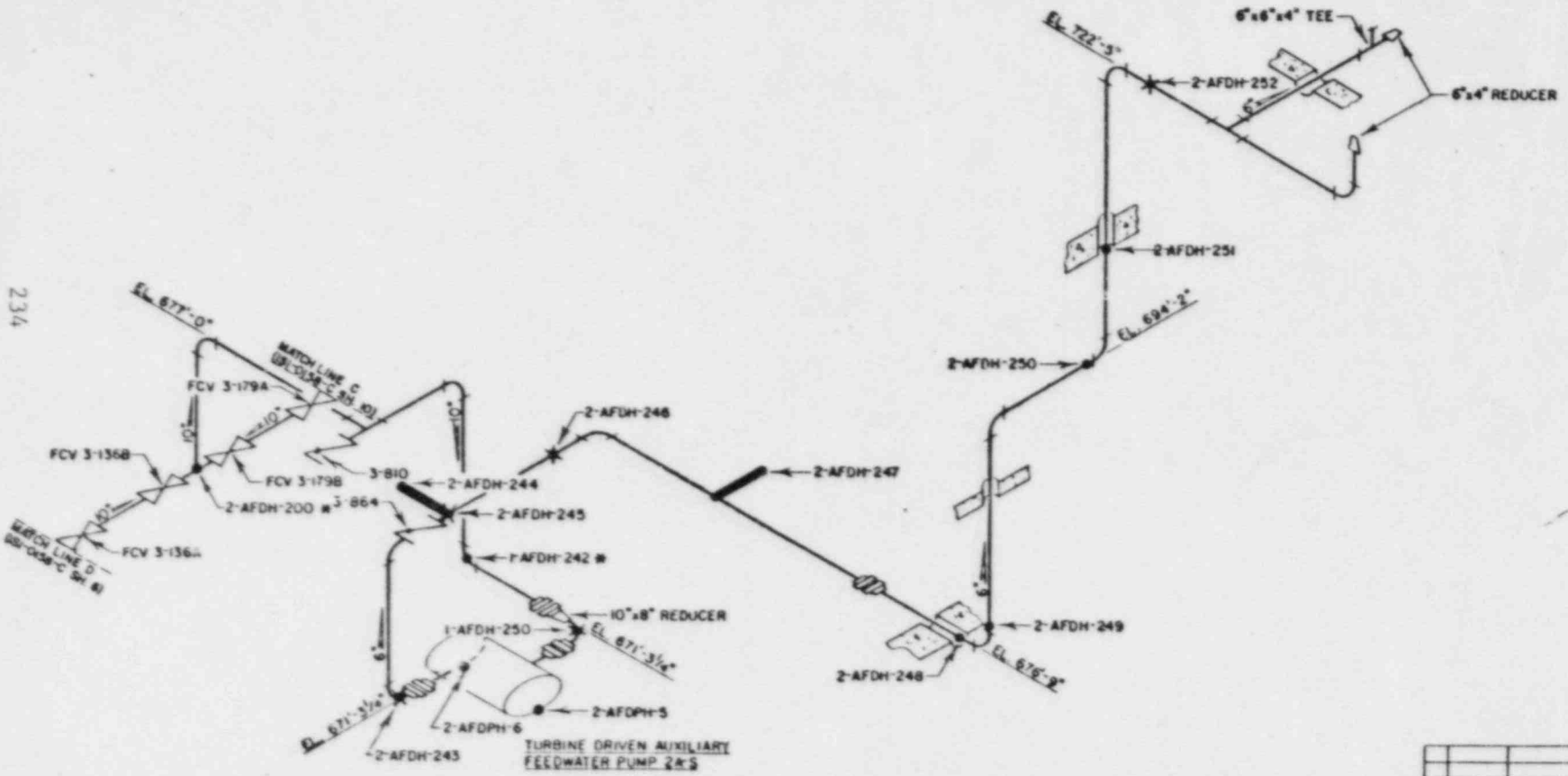
SEQUOYAH NUCLEAR PLANT
UNIT #2
AUXILIARY FEEDWATER SYSTEM
SUPPORT LOCATIONS

DRAWING NO. ISI-0146-C R0

REFERENCE DRAWINGS
47K427-57
47K427-63

LEGEND
- RIGID SUPPORT
- VARIABLE SUPPORT
- RIGID STRUTT
- WELDED ATTACHMENTS

TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

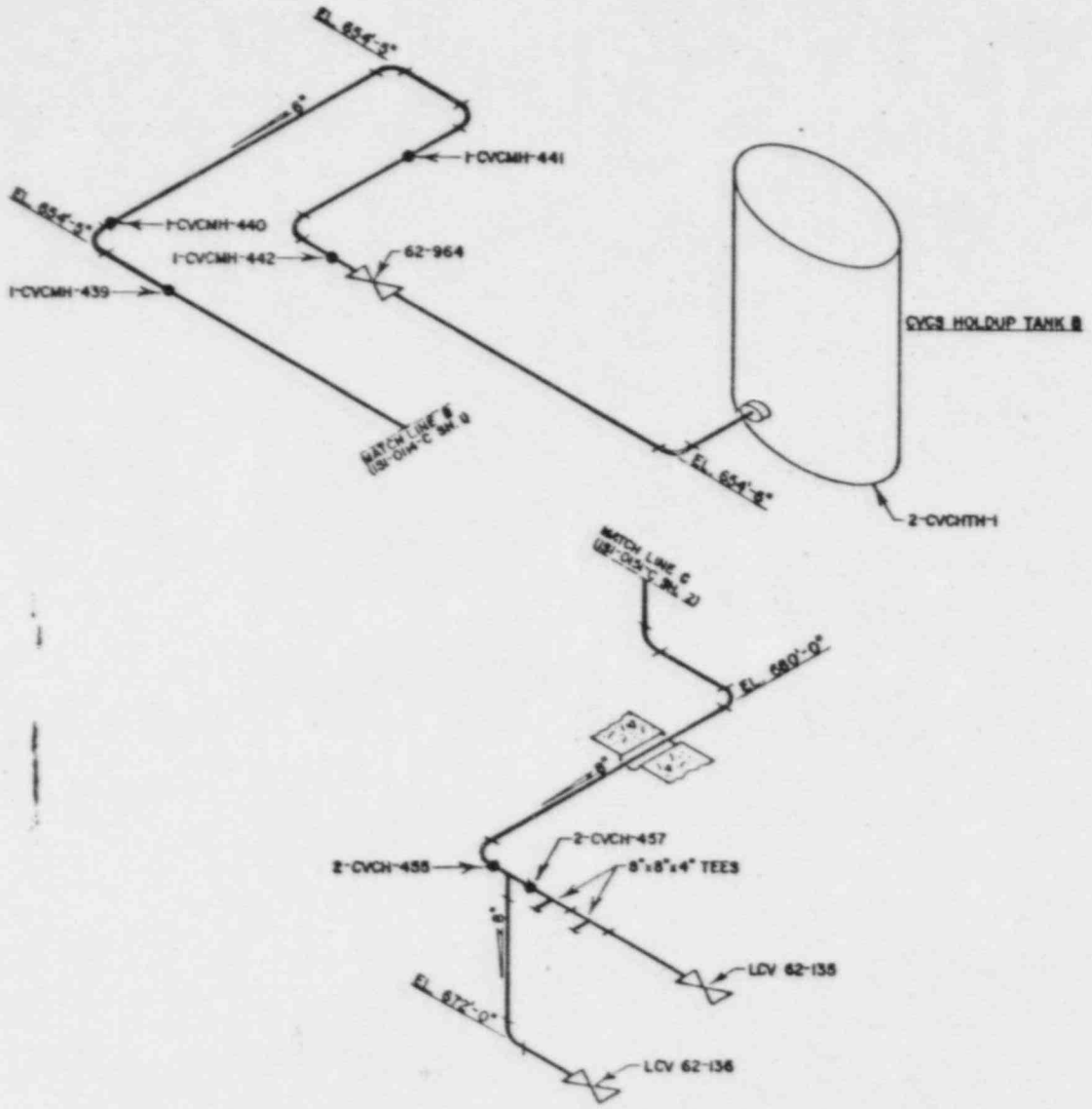
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
AUXILIARY FEEDWATER SYSTEM
SUPPORT LOCATIONS

DRAWING NO.			1SI-0146-C

234

REFERENCE DRAWINGS
47K406-17 47K555-59
LEGEND
● RIGID SUPPORT
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT # 2
CHEMICAL AND VOLUME CONTROL SYSTEM
SUPPORT LOCATIONS

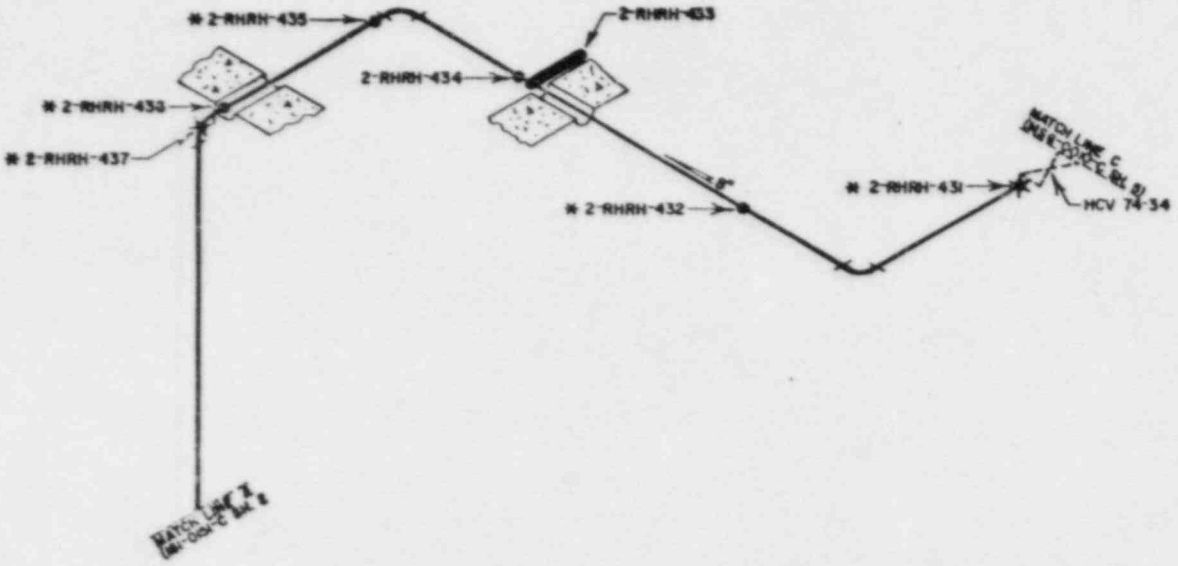
DRAWN	RTS		4-17-84
TRACED	DAT		
DESIGNED	[illegible]		
APPROVED	[illegible]		

SI-0149-C R0

REFERENCE DRAWINGS
47K432-54

LEGEND
- RIGID SUPPORT
- VARIABLE SUPPORT
- RIGID STRUTT
- WELD ATTACHMENTS

TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D

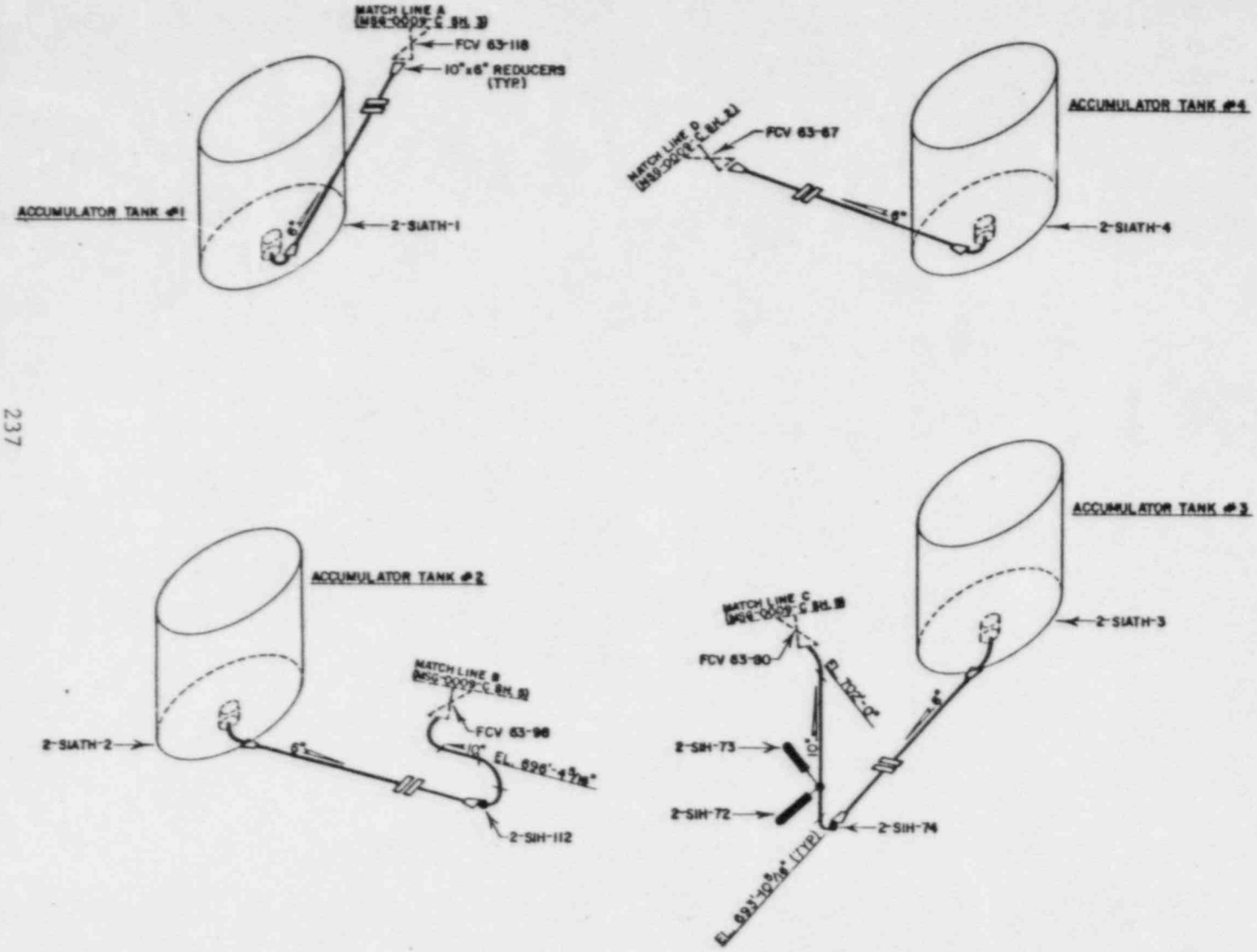
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT # 2
RESIDUAL HEAT REMOVAL SYSTEM
SUPPORT LOCATIONS

SCALE NTS	DRAWN	APPROVED	DATE 4-19-84
DESIGN	TRACED		
CHECK			
		67.8	SI-0150-C R0

REFERENCE DRAWINGS
0600102-09-01
0600102-09-02

LEGEND
● RIGID SUPPORT
●—▬ SNUBBER
TVA SAFETY CLASS C



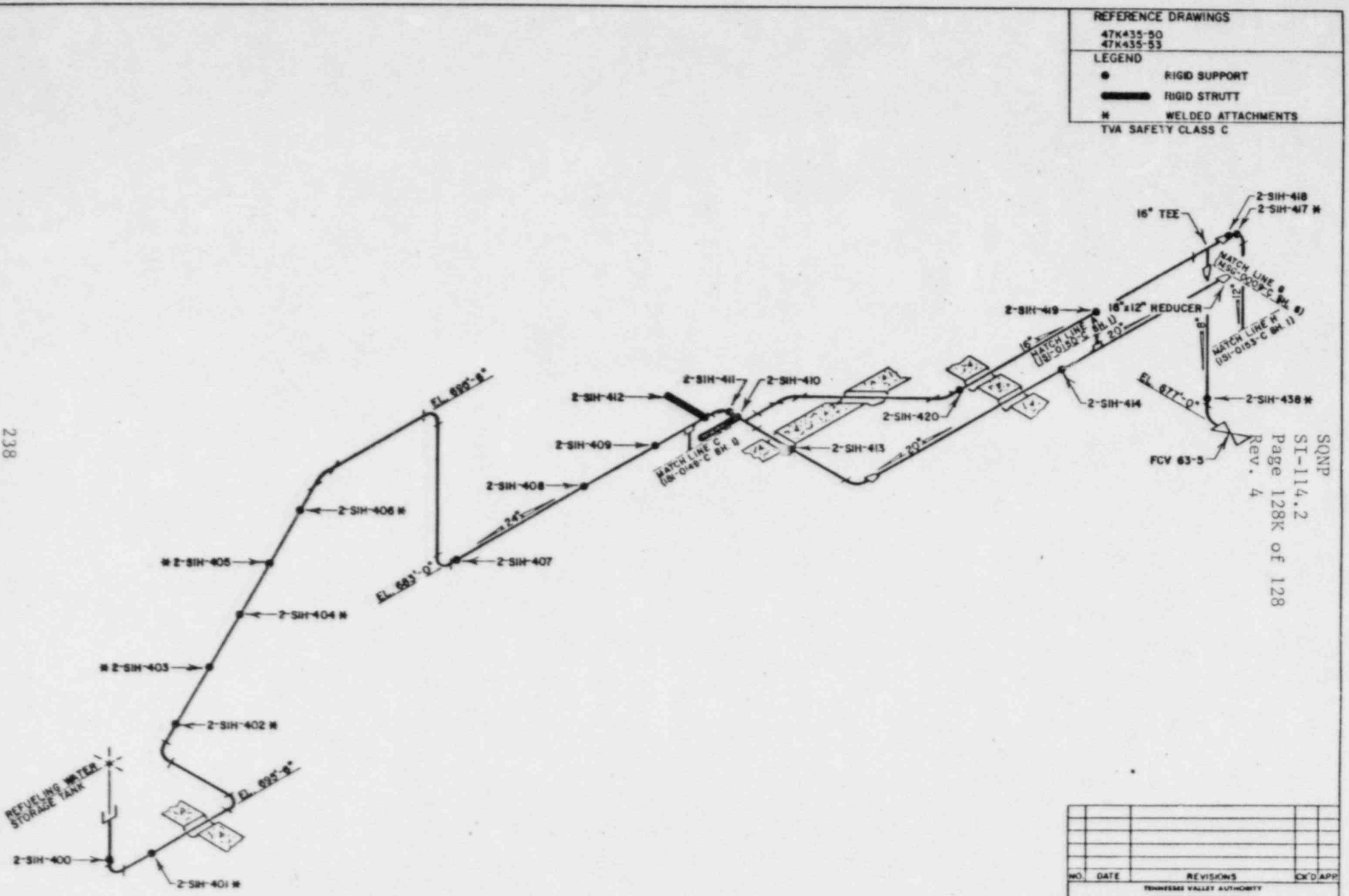
NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
SAFETY INJECTION SYSTEM
SUPPORT LOCATIONS

			1 OF 2 SHEETS
		9-16	1SI-0151-C

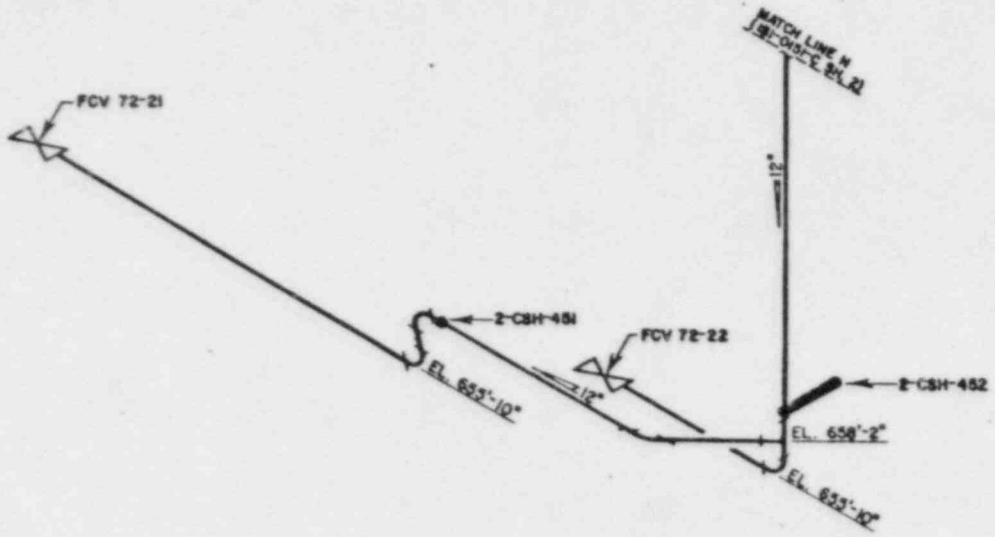
RO


REFERENCE DRAWINGS
47K435-50
47K435-53
LEGEND
RIGID SUPPORT
RIGID STRUTT
WELDED ATTACHMENTS
TVA SAFETY CLASS C
16" TEE
2-SIH-418
2-SIH-417 M
MATCH LINE B (MSK-0309-C SH. 6)
2-SIH-419
18"x12" REDUCER
MATCH LINE A (SI-0150-C SH. 1)
MATCH LINE H (SI-0153-C SH. 1)
2-SIH-411
2-SIH-410
2-SIH-412
2-SIH-409
2-SIH-408
MATCH LINE C (SI-0149-C SH. 1)
2-SIH-420
2-SIH-413
2-SIH-414
EL. 677'-0"
2-SIH-438 M
FCV 63-5
EL. 695'-6"
2-SIH-406 M
2-SIH-405 M
2-SIH-407
EL. 683'-0"
2-SIH-404 M
2-SIH-403 M
2-SIH-402 M
REFUELING WATER STORAGE TANK
EL. 695'-6"
2-SIH-400
2-SIH-401 M
NO. DATE REVISIONS BY CK'D APP'D
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
SAFETY INJECTION SYSTEM
SUPPORT LOCATIONS
1SI-0151-C
R0

REFERENCE DRAWINGS
47K435-51

LEGEND
- RIGID SUPPORT
- RIGID STRUTT

TVA SAFETY CLASS C



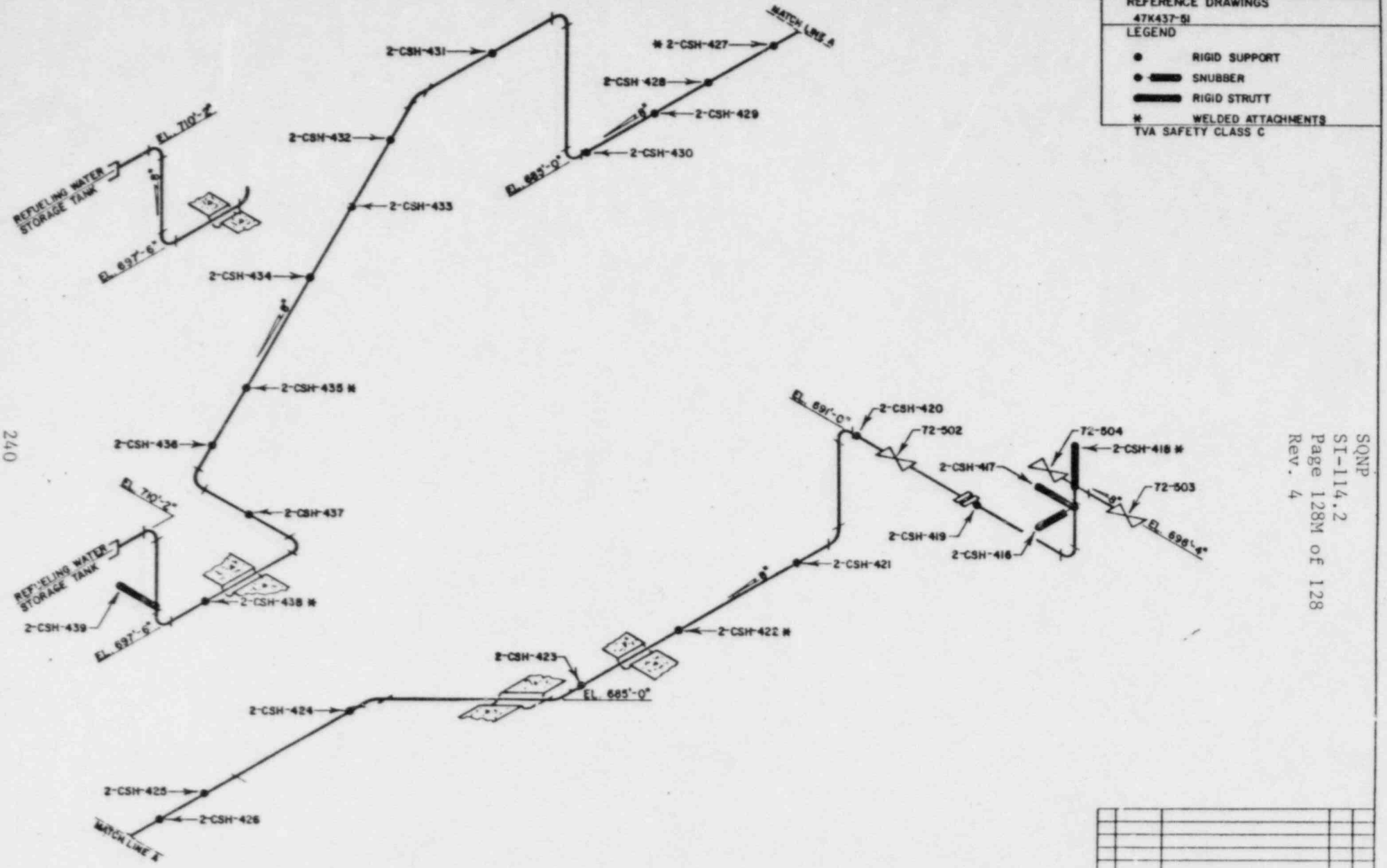
NO.	DATE	REVISIONS	BY	CK'D	APP'D

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
CONTAINMENT SPRAY SYSTEM
SUPPORT LOCATIONS

DRAWN			
TRACED			
DESIGNED			
CHECKED			
APPROVED			

ISI-0153-C R0



NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
CONTAINMENT SPRAY SYSTEM
SUPPORT LOCATIONS

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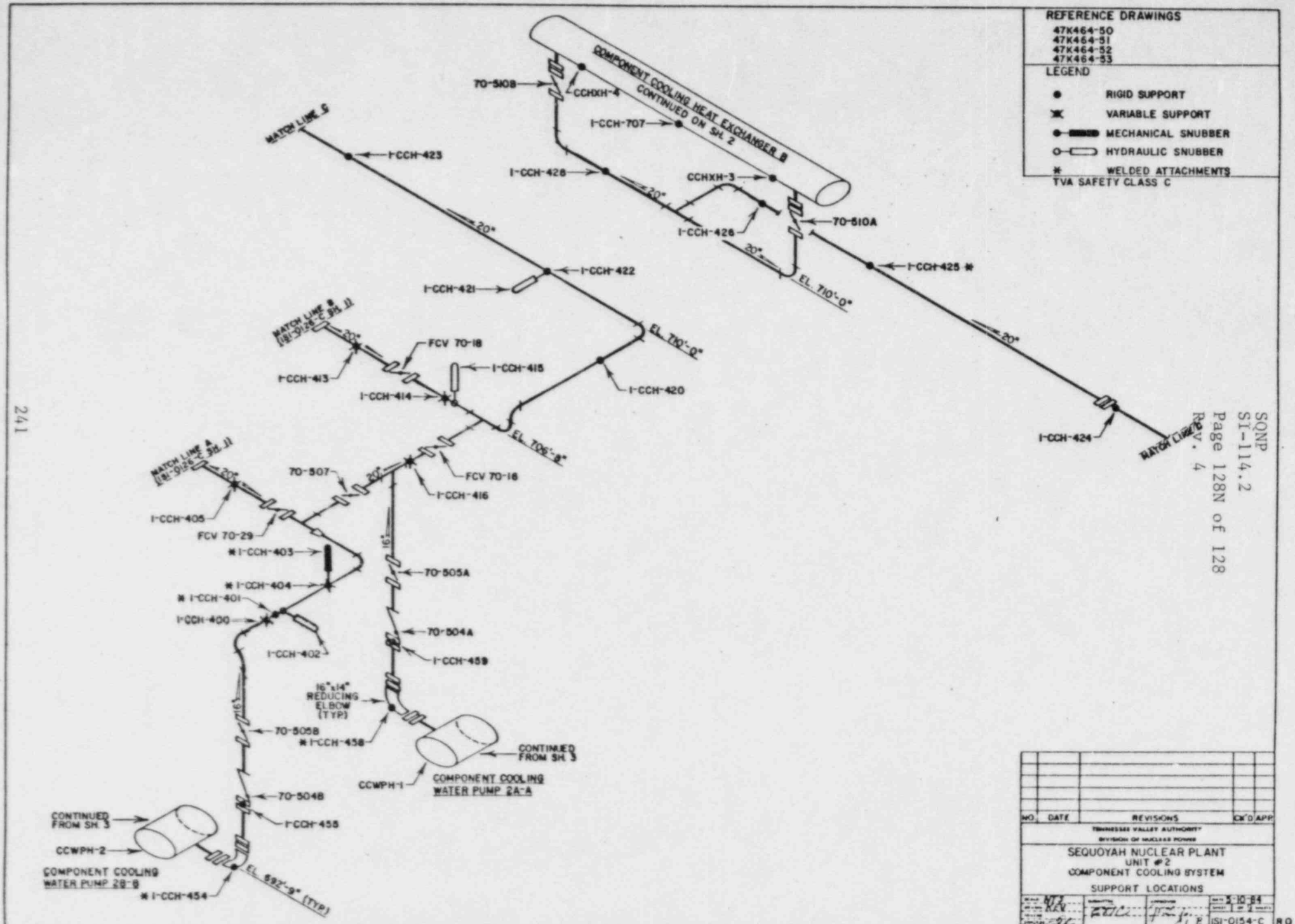
REFERENCE DRAWINGS
47K464-50
47K464-51
47K464-52
47K464-53
LEGEND
RIGID SUPPORT
VARIABLE SUPPORT
MECHANICAL SNUBBER
HYDRAULIC SNUBBER
WELDED ATTACHMENTS
TVA SAFETY CLASS C
COMPONENT COOLING HEAT EXCHANGER B
CONTINUED ON SH. 2
70-510B
CCHXH-4
1-CCH-707
1-CCH-428
CCHXH-3
20"
1-CCH-426
70-510A
1-CCH-425 *
1-CCH-423
MATCH LINE 5
20"
1-CCH-422
1-CCH-421
EL. 710'-0"
1-CCH-424
MATCH LINE 6
MATCH LINE B (181-5126-C SH. 2)
FCV 70-18
1-CCH-413
1-CCH-415
1-CCH-414
1-CCH-420
EL. 706'-9"
MATCH LINE A (181-5126-C SH. 2)
70-507
FCV 70-16
1-CCH-416
1-CCH-405
FCV 70-29
* 1-CCH-403
* 1-CCH-404
* 1-CCH-401
1-CCH-400
1-CCH-402
16"
70-505A
70-504A
1-CCH-459
16"x14" REDUCING ELBOW (TYP)
70-505B
* 1-CCH-458
CONTINUED FROM SH. 3
CCWPH-1
COMPONENT COOLING WATER PUMP 2A-A
70-504B
1-CCH-455
CONTINUED FROM SH. 3
CCWPH-2
COMPONENT COOLING WATER PUMP 2B-B
* 1-CCH-454
EL. 692'-9" (TYP)
NO. DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS
5-10-84
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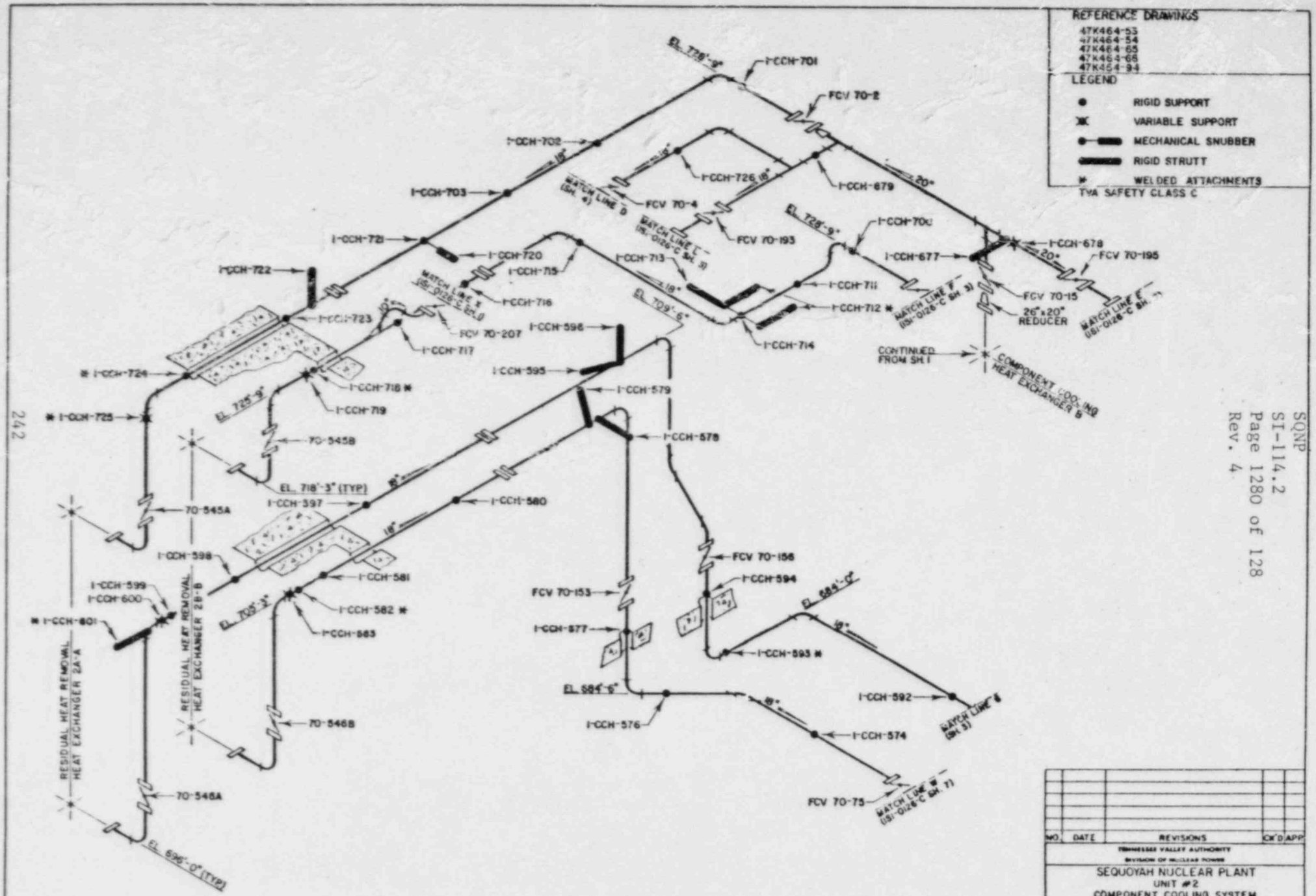
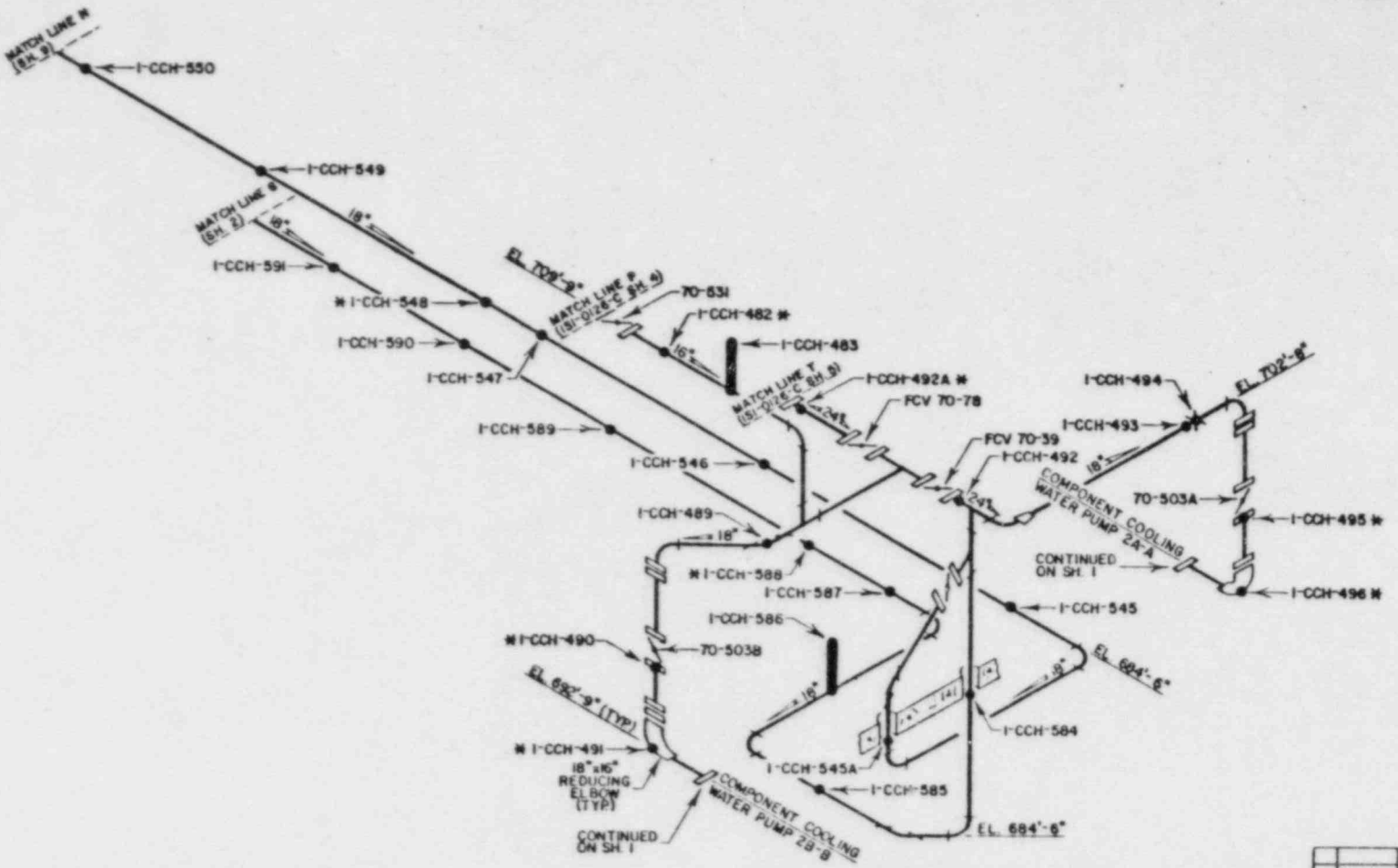
R0


REFERENCE DRAWINGS
47K464-53
47K464-54
47K464-65
47K464-66
47K454-94
LEGEND
RIGID SUPPORT
VARIABLE SUPPORT
MECHANICAL SNUBBER
RIGID STRUTT
WELDED ATTACHMENTS
TVA SAFETY CLASS C
EL. 778'-9"
1-CCH-701
FCV 70-2
1-CCH-702
1-CCH-703
1-CCH-726 18"
1-CCH-679
20"
MATCH LINE D (SH. 4)
FCV 70-4
MATCH LINE C (SI-0126-C SH. 3)
FCV 70-193
EL. 726'-9"
1-CCH-700
1-CCH-678
1-CCH-677
20"
FCV 70-195
1-CCH-721
1-CCH-720
1-CCH-715
1-CCH-713
1-CCH-722
MATCH LINE A (SI-0126-C SH. 3)
1-CCH-716
1-CCH-711
MATCH LINE F (SI-0126-C SH. 3)
FCV 70-15
26"x20" REDUCER
MATCH LINE E (SI-0126-C SH.
EL. 709'-6"
1-CCH-712 *
1-CCH-723
FCV 70-207
1-CCH-717
1-CCH-596
1-CCH-714
CONTINUED FROM SH. 1
COMPONENT COOLING HEAT EXCHANGER B
1-CCH-724
1-CCH-595
1-CCH-579
1-CCH-718 *
1-CCH-719
1-CCH-725 *
EL. 725'-9"
70-545B
1-CCH-578
EL. 718'-3" (TYP)
1-CCH-397
1-CCH-580
70-545A
1-CCH-598
1-CCH-581
FCV 70-156
1-CCH-599
1-CCH-600
FCV 70-153
1-CCH-594
EL. 705'-3"
1-CCH-582 *
1-CCH-583
1-CCH-601 *
1-CCH-577
EL. 684'-0"
1-CCH-593 *
EL. 684'-9"
1-CCH-592
1-CCH-576
MATCH LINE B (SH. 3)
1-CCH-574
RESIDUAL HEAT REMOVAL HEAT EXCHANGER 2A-A
RESIDUAL HEAT REMOVAL HEAT EXCHANGER 2B-B
70-546B
70-546A
FCV 70-75
MATCH LINE H (SI-0126-C SH. 7)
EL. 696'-0" (TYP)
NO. DATE REVISIONS CK'D APP'D
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS
SI-0154-C
R0

REFERENCE DRAWINGS
47K464-62
47K464-63
47K464-66
47K464-73

LEGEND
- RIGID SUPPORT
- VARIABLE SUPPORT
- RIGID STRUTT
- WELD ATTACHMENTS

TVA SAFETY CLASS C

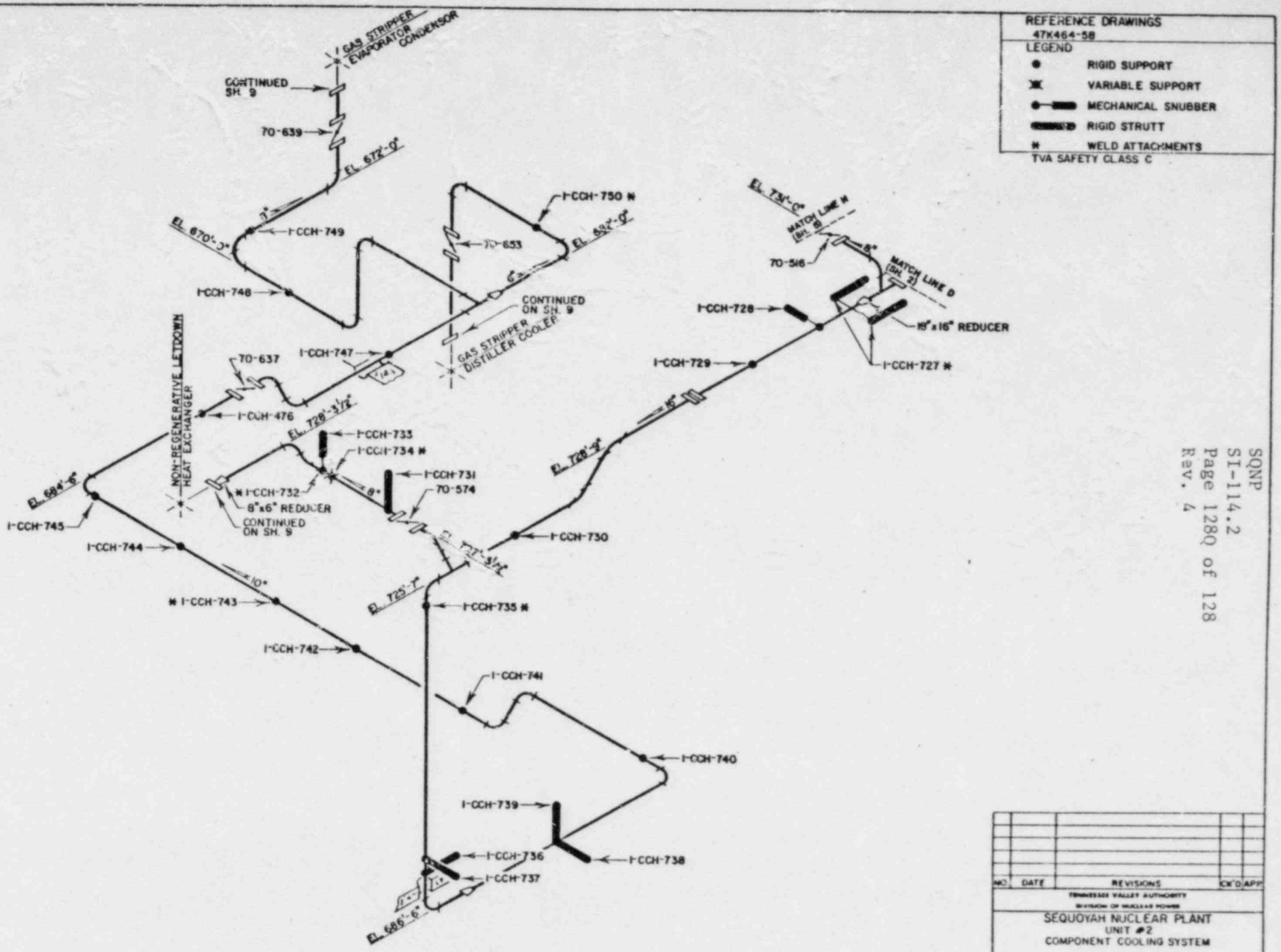


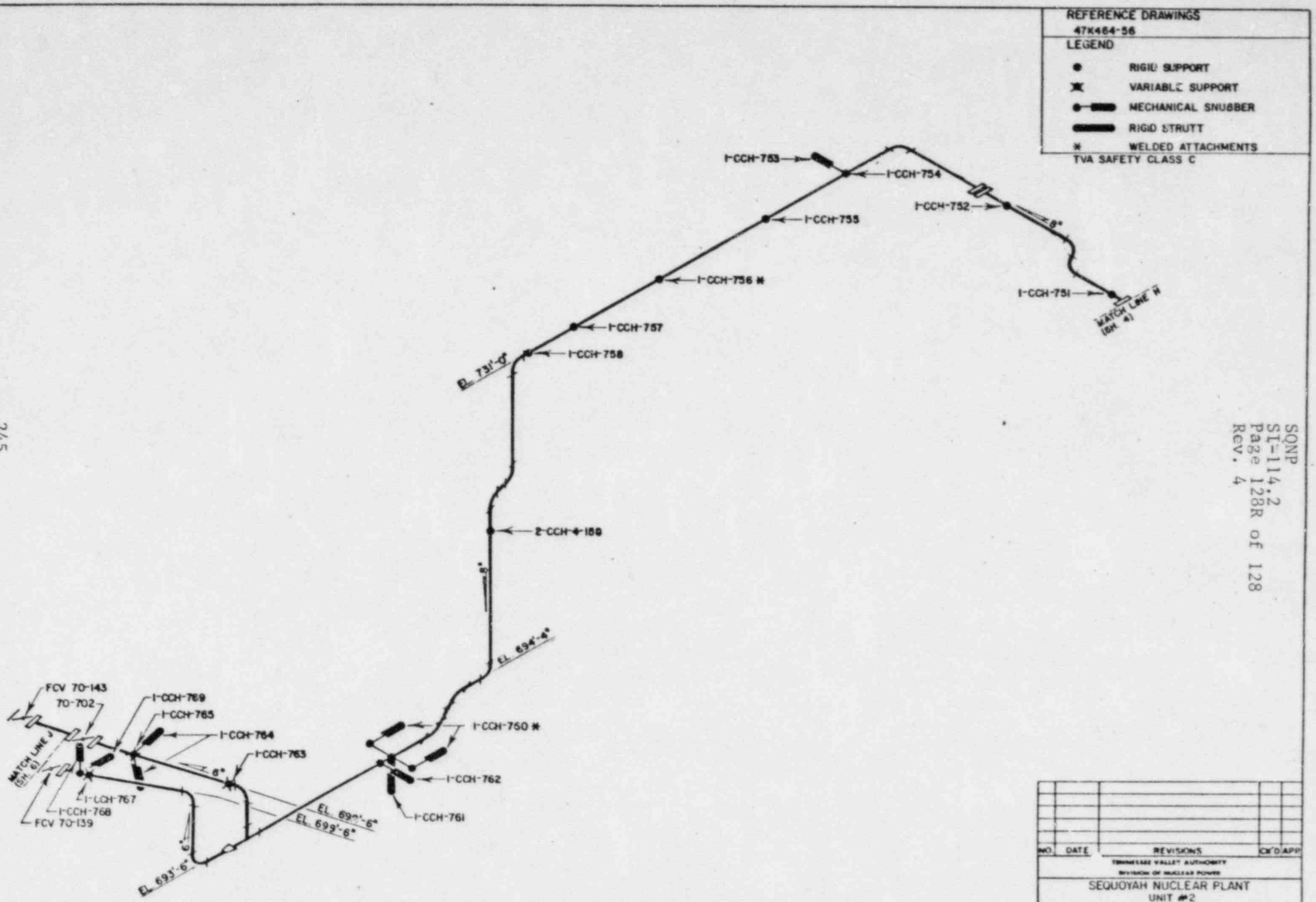
NO.	DATE	REVISIONS	CK'D	APP

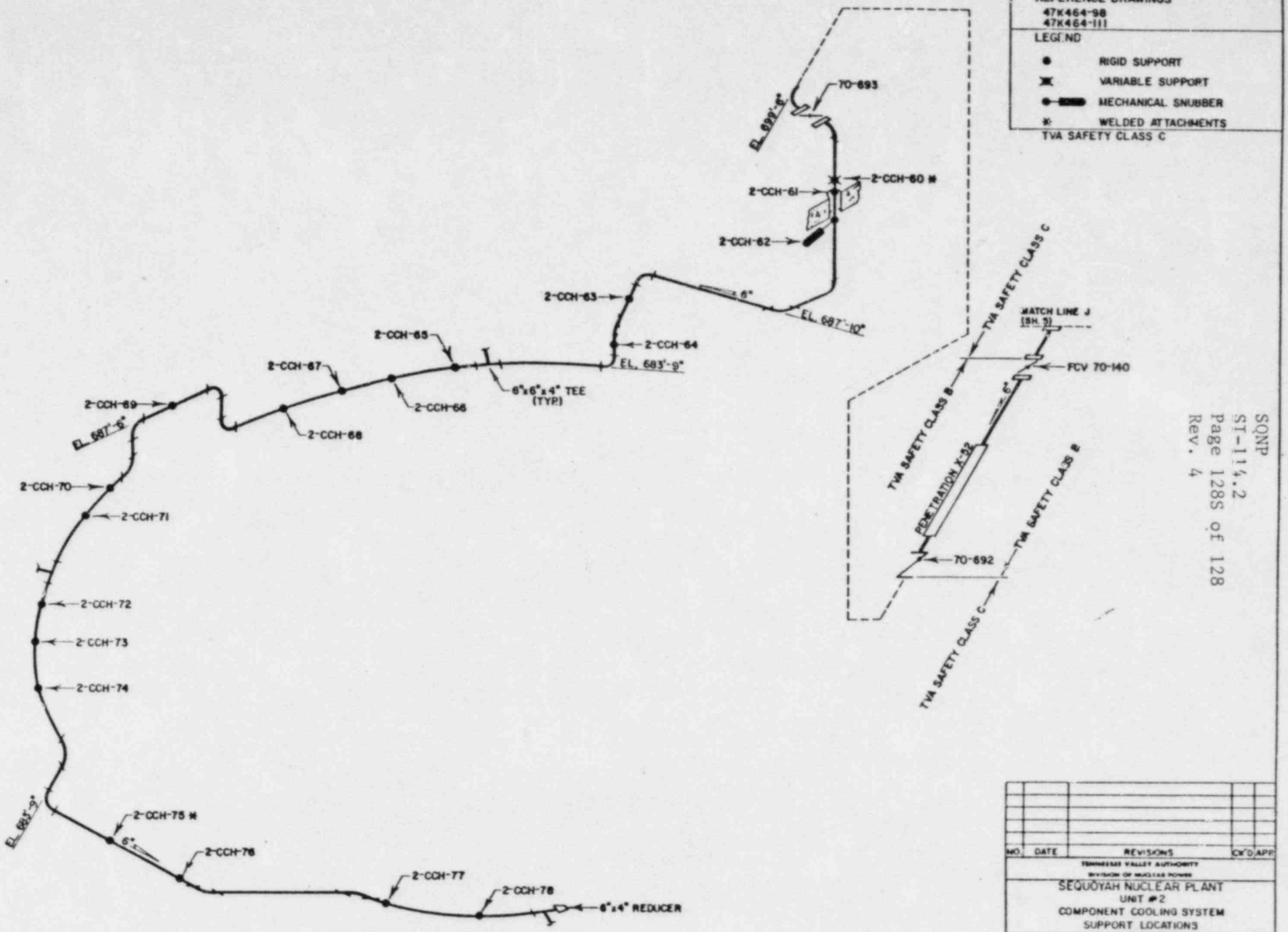
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

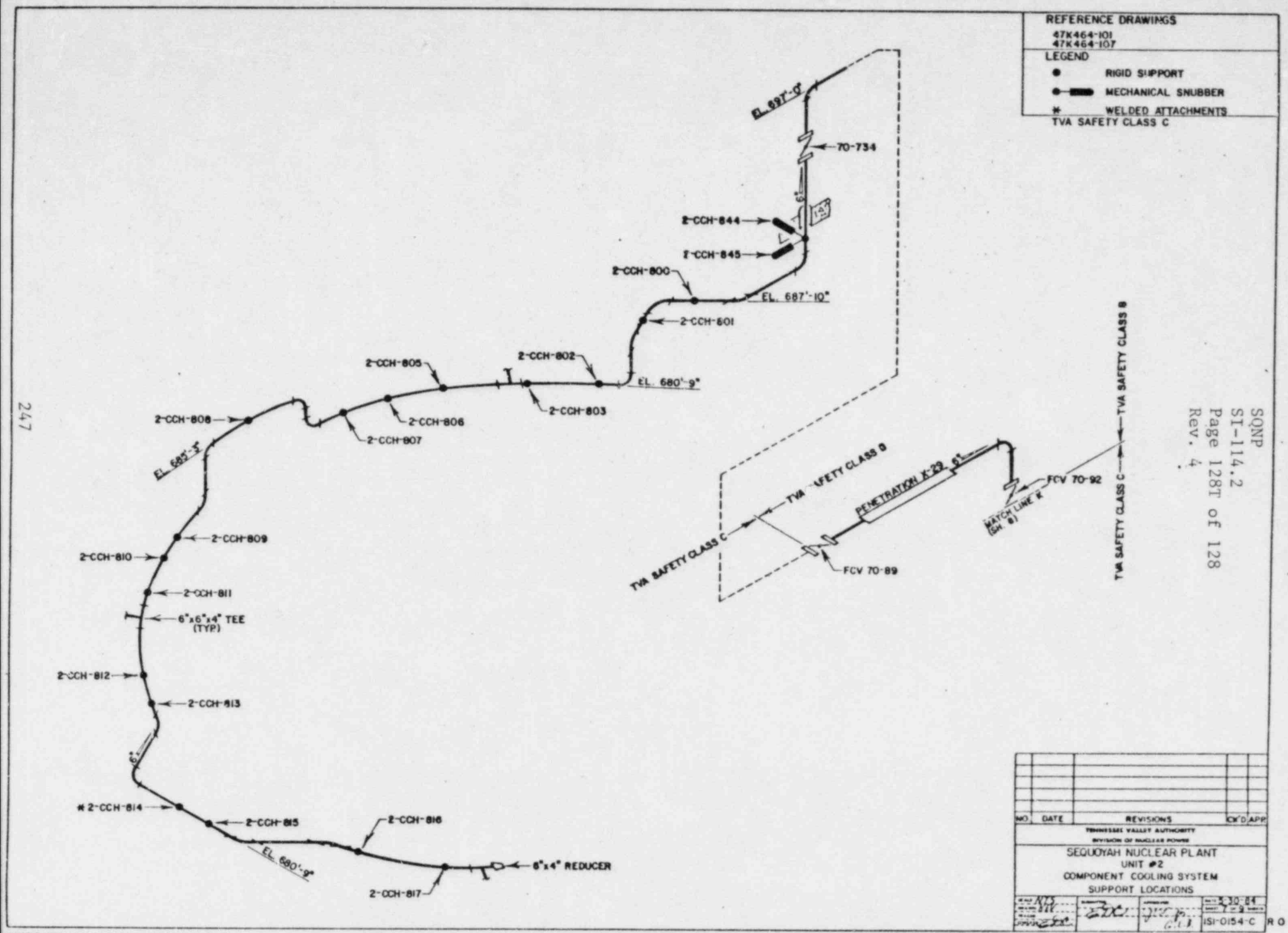
SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

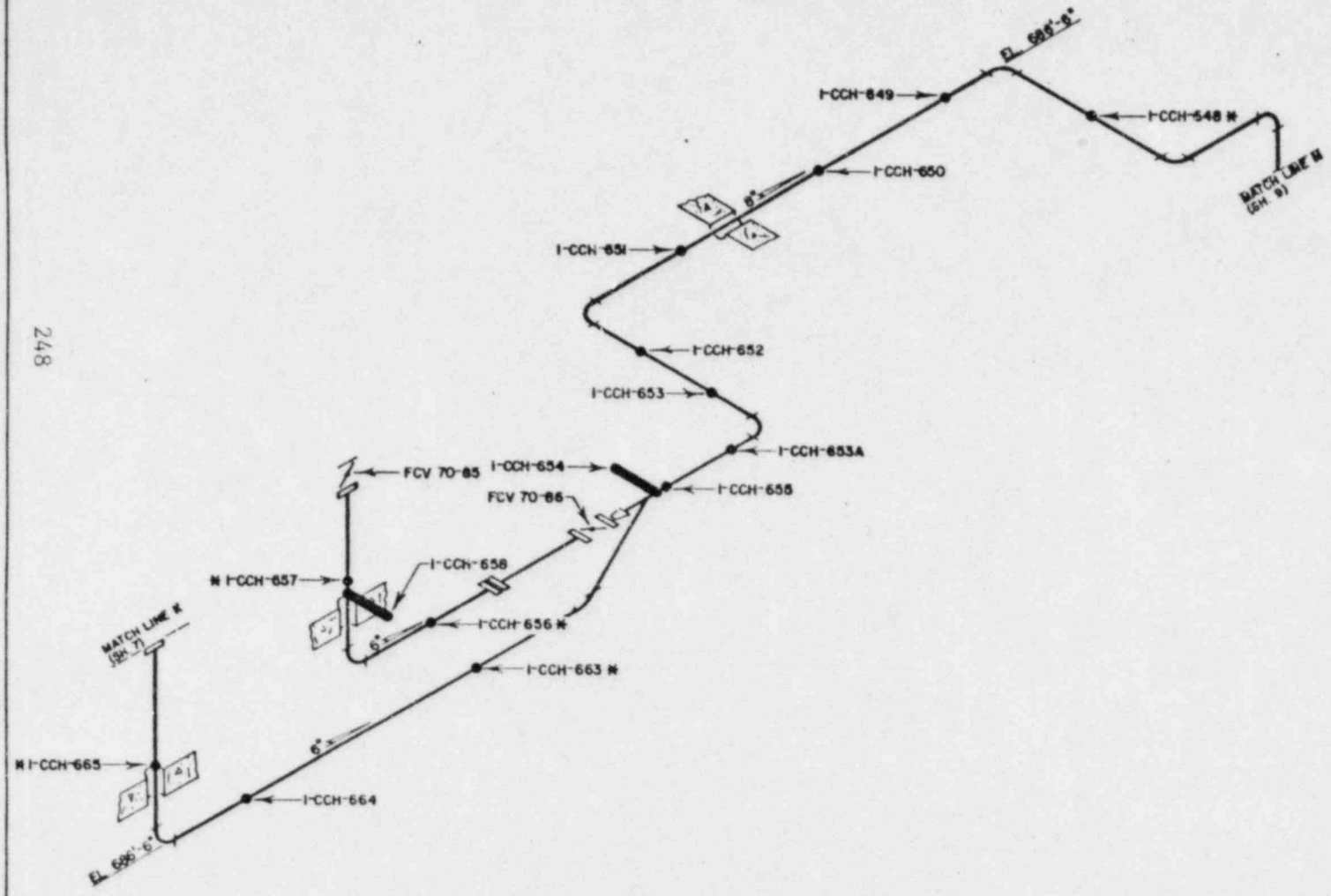
SI-0154-C R0


REFERENCE DRAWINGS
47K464-58
LEGEND
RIGID SUPPORT
VARIABLE SUPPORT
MECHANICAL SNUBBER
RIGID STRUTT
WELD ATTACHMENTS
TVA SAFETY CLASS C
GAS STRIPPER EVAPORATOR CONDENSOR
CONTINUED SH. 9
70-639
EL. 672'-0"
EL. 670'-3"
1-CCH-749
1-CCH-748
1-CCH-750 N
70-653
EL. 692'-0"
CONTINUED ON SH. 9
GAS STRIPPER DISTILLER COOLER
1-CCH-747
70-637
NON-REGENERATIVE LETDOWN HEAT EXCHANGER
1-CCH-476
EL. 728'-3 1/2"
1-CCH-733
1-CCH-734 N
1-CCH-731
70-574
N 1-CCH-732
8"x6" REDUCER
CONTINUED ON SH. 9
EL. 684'-6"
1-CCH-745
1-CCH-744
10"
N 1-CCH-743
1-CCH-742
EL. 725'-7"
EL. 727'-3 1/2"
1-CCH-735 N
1-CCH-730
EL. 734'-0"
MATCH LINE H (SH. 8)
70-516
8"
MATCH LINE D (SH. 2)
1-CCH-728
15"x16" REDUCER
1-CCH-729
1-CCH-727 N
EL. 728'-3"
1-CCH-741
1-CCH-740
1-CCH-739
1-CCH-738
1-CCH-736
1-CCH-737
EL. 686'-6"
NO. DATE REVISIONS CK'D APP'D
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATION
ISI-0154-C
R0


REFERENCE DRAWINGS
47K464-56
LEGEND
RIGID SUPPORT
VARIABLE SUPPORT
MECHANICAL SNUBBER
RIGID STRUTT
WELDED ATTACHMENTS
TVA SAFETY CLASS C
1-CCH-753
1-CCH-754
1-CCH-752
1-CCH-755
8"
1-CCH-756 *
1-CCH-751
MATCH LINE H (SH. 4)
1-CCH-757
1-CCH-758
EL. 731'-0"
2-CCH-4-189
8"
EL. 694'-4"
1-CCH-760 *
1-CCH-762
1-CCH-761
FCV 70-143
70-702
1-CCH-769
1-CCH-765
1-CCH-764
1-CCH-763
6"
MATCH LINE J (SH. 6)
1-CCH-767
1-CCH-768
FCV 70-139
EL. 699'-6"
EL. 699'-6"
6"
EL. 693'-6"
NO. DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS
23 84
1SI-0154-C
R0


REFERENCE DRAWINGS
47K464-98
47K464-111
LEGEND
RIGID SUPPORT
VARIABLE SUPPORT
MECHANICAL SNUBBER
WELDED ATTACHMENTS
TVA SAFETY CLASS C
70-693
EL. 692'-6"
2-CCH-60 H
2-CCH-61
2-CCH-62
2-CCH-63
6"
EL. 687'-10"
2-CCH-64
2-CCH-65
2-CCH-66
2-CCH-67
2-CCH-68
2-CCH-69
EL. 687'-6"
6"x6"x4" TEE (TYP)
EL. 683'-9"
2-CCH-70
2-CCH-71
2-CCH-72
2-CCH-73
2-CCH-74
EL. 685'-3"
2-CCH-75 H
6"
2-CCH-76
2-CCH-77
2-CCH-78
6"x4" REDUCER
TVA SAFETY CLASS C
MATCH LINE J (SH. 3)
FCV 70-140
6"
TVA SAFETY CLASS B
PENETRATION X-32
TVA SAFETY CLASS B
70-692
TVA SAFETY CLASS C
NO. DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS
5-29-84
1SI-0154-C
R0


REFERENCE DRAWINGS
47K464-101
47K464-107
LEGEND
RIGID SUPPORT
MECHANICAL SNUBBER
WELDED ATTACHMENTS
TVA SAFETY CLASS C
EL. 697'-0"
70-734
2-CCH-844
2-CCH-845
2-CCH-800
EL. 687'-10"
2-CCH-801
2-CCH-805
2-CCH-802
EL. 680'-9"
2-CCH-803
2-CCH-806
2-CCH-807
2-CCH-808
EL. 685'-3"
2-CCH-809
2-CCH-810
2-CCH-811
6"x6"x4" TEE (TYP)
2-CCH-812
2-CCH-813
6"
* 2-CCH-814
2-CCH-815
2-CCH-816
EL. 690'-9"
6"x4" REDUCER
2-CCH-817
TVA SAFETY CLASS C
TVA SAFETY CLASS B
PENETRATION X-29
FCV 70-89
FCV 70-92
MATCH LINE E (SH. 8)
TVA SAFETY CLASS C
TVA SAFETY CLASS B
NO. DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS
5-30-84
ISI-0154-C
R 0



REFERENCE DRAWINGS
47K464-69

LEGEND
- ● RIGID SUPPORT
- RIGID STRUTT
- N WELDED ATTACHMENTS

TVA SAFETY CLASS C

NO.	DATE	REVISIONS	CK'D APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

ISI-0154-C

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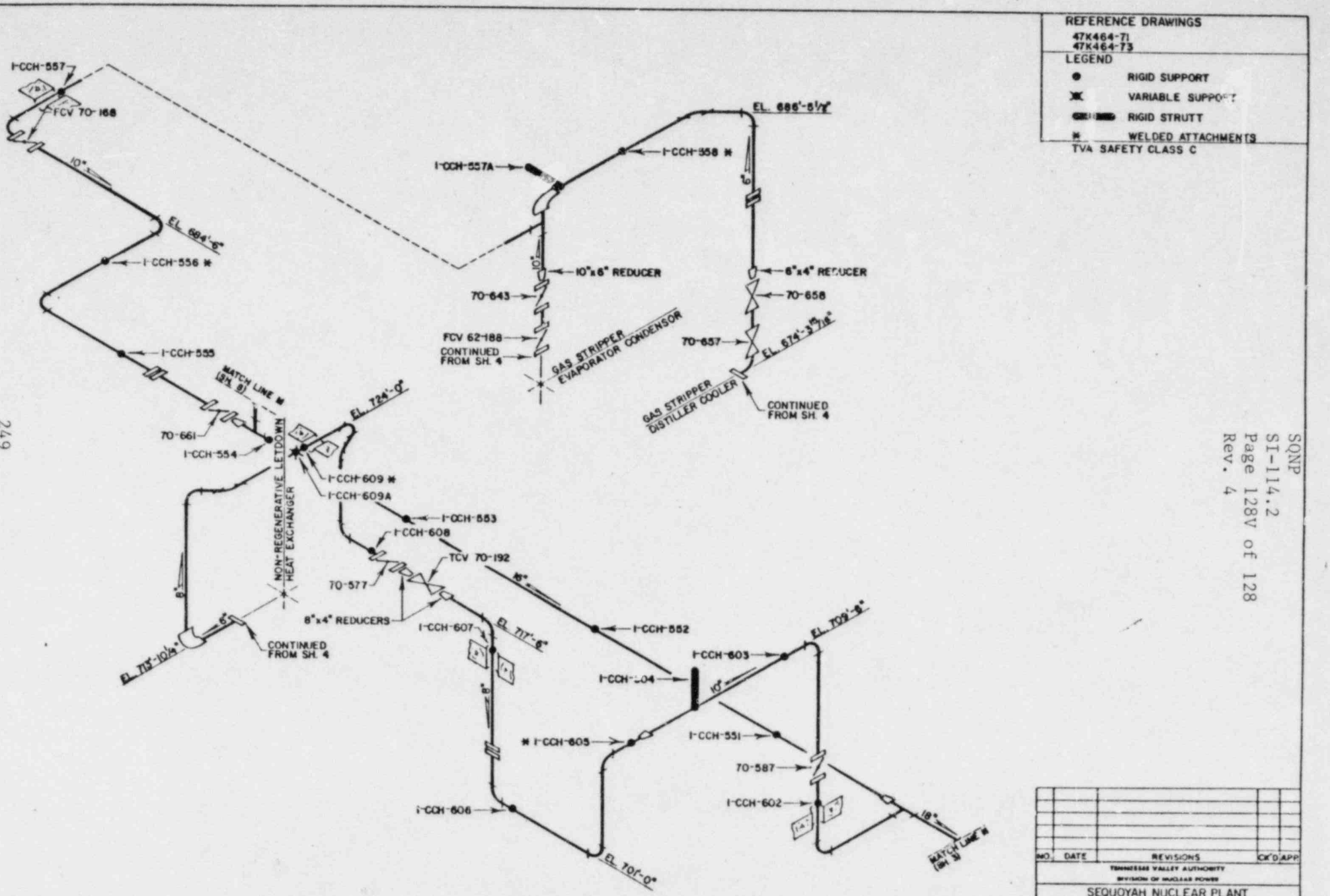

NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
COMPONENT COOLING SYSTEM
SUPPORT LOCATIONS

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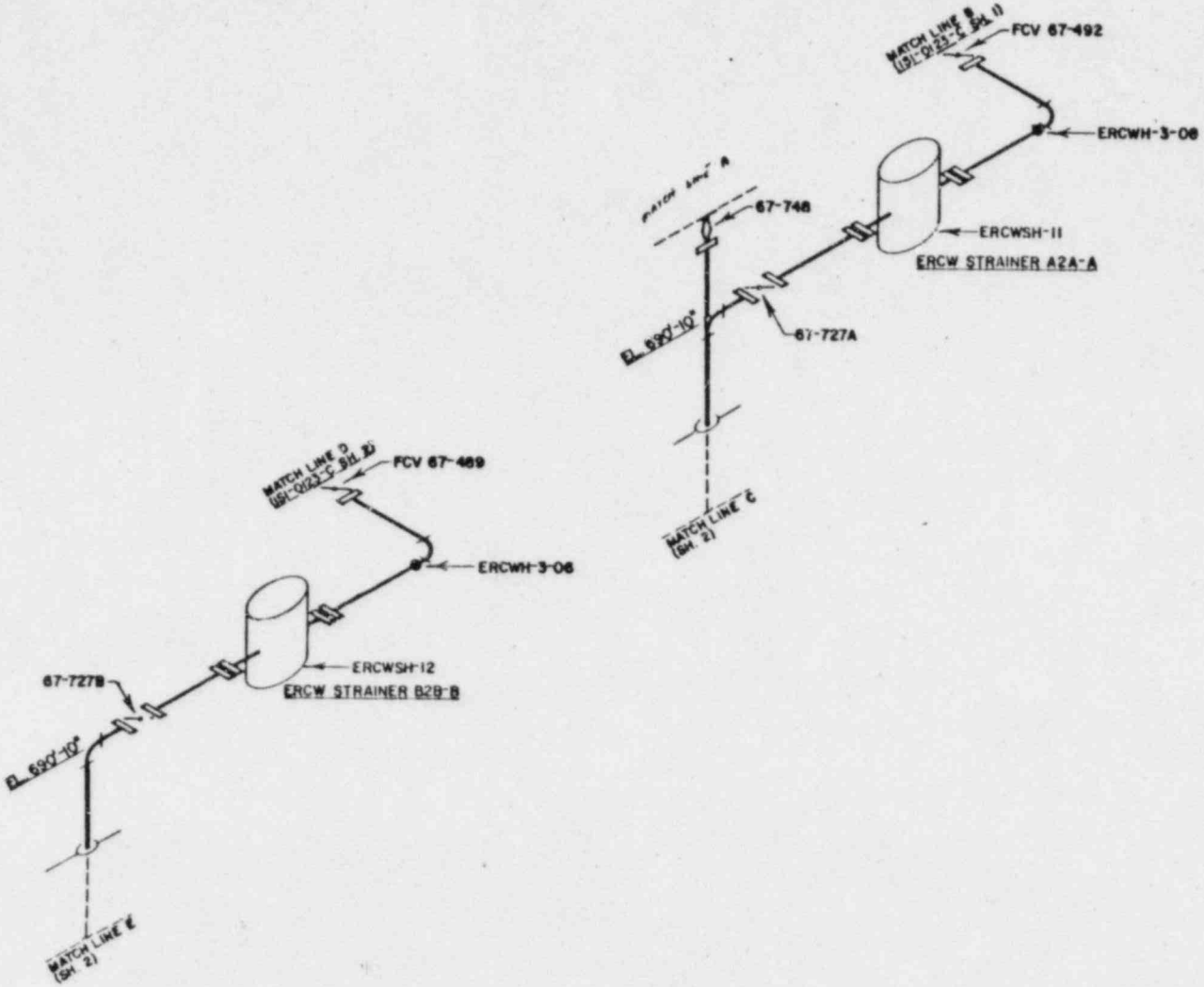
REFERENCE DRAWINGS
37K206-50

LEGEND
● RIGID SUPPORT
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

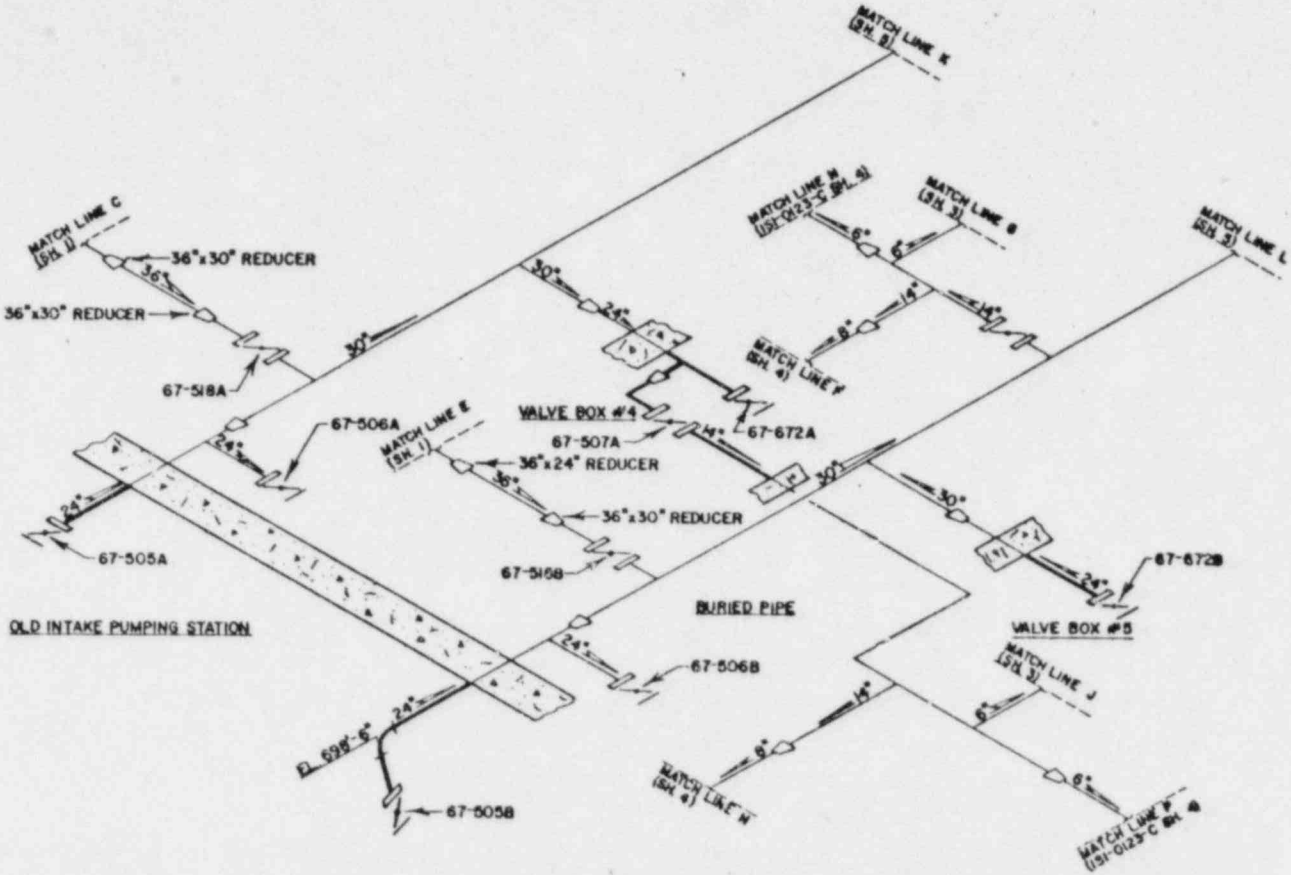
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

DRAWN BTS	SUBMITTED	APPROVED	DATE 6-6-84
TRACED BTS			SHEET 1 OF 1
DESIGNED			SI-0158-C

R 0

REFERENCE DRAWINGS
17W300 SERIES
37W205 SERIES
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP'D

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

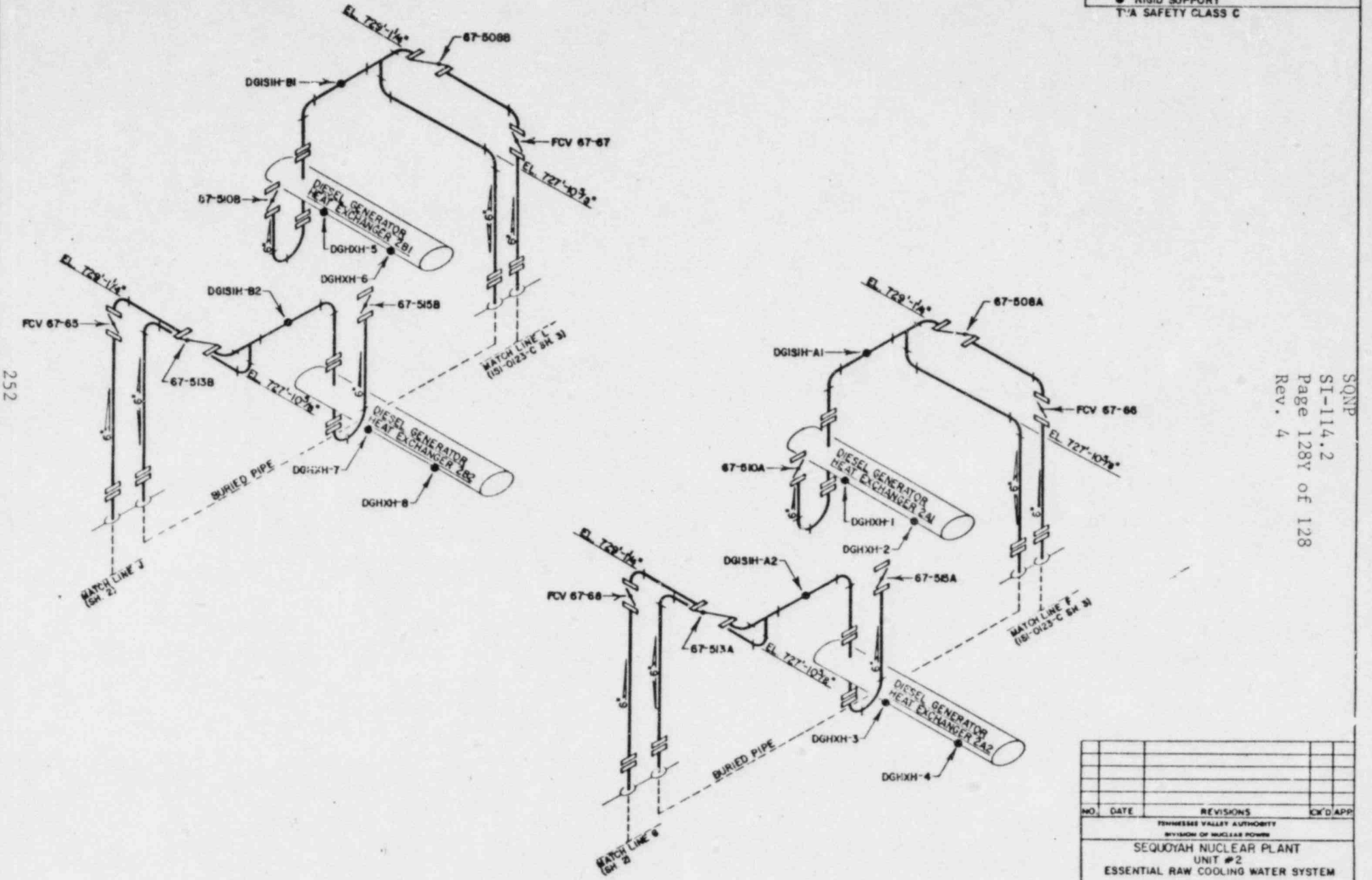
SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

DESIGNED	DRAWN	APPROVED	67-84
			2-12
			ISI-0158-C

R 0

REFERENCE DRAWINGS
17W586 SERIES

LEGEND
● RIGID SUPPORT
T.V.A SAFETY CLASS C



NO.	DATE	REVISIONS	ICK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

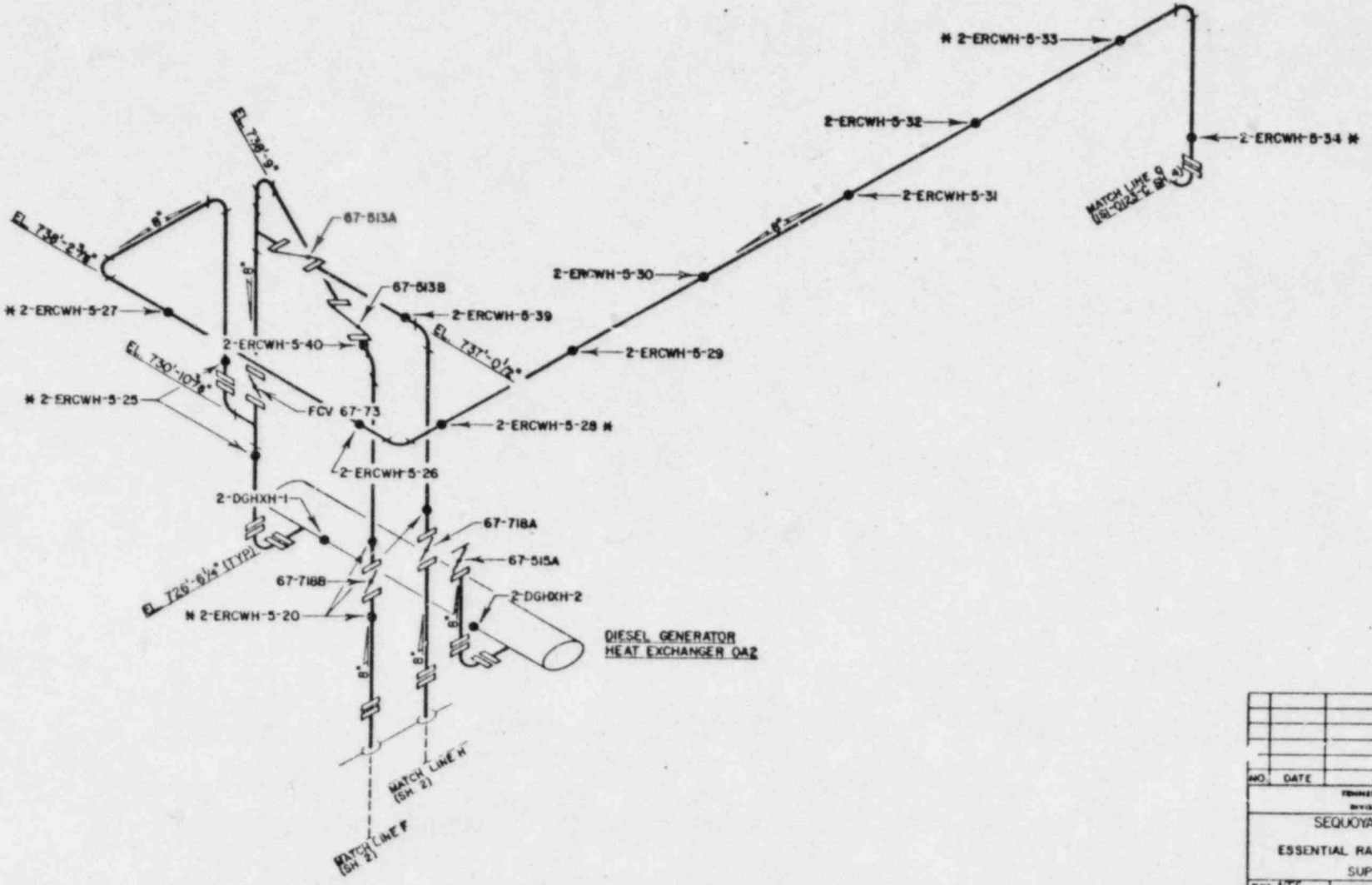
SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

DRAWN	CHECKED	APPROVED	DATE 5-14-84
			ISI-0158-C R0

REFERENCE DRAWINGS
17W586 SERIES

LEGEND
- ● RIGID SUPPORT
- * WELDED ATTACHMENTS

TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

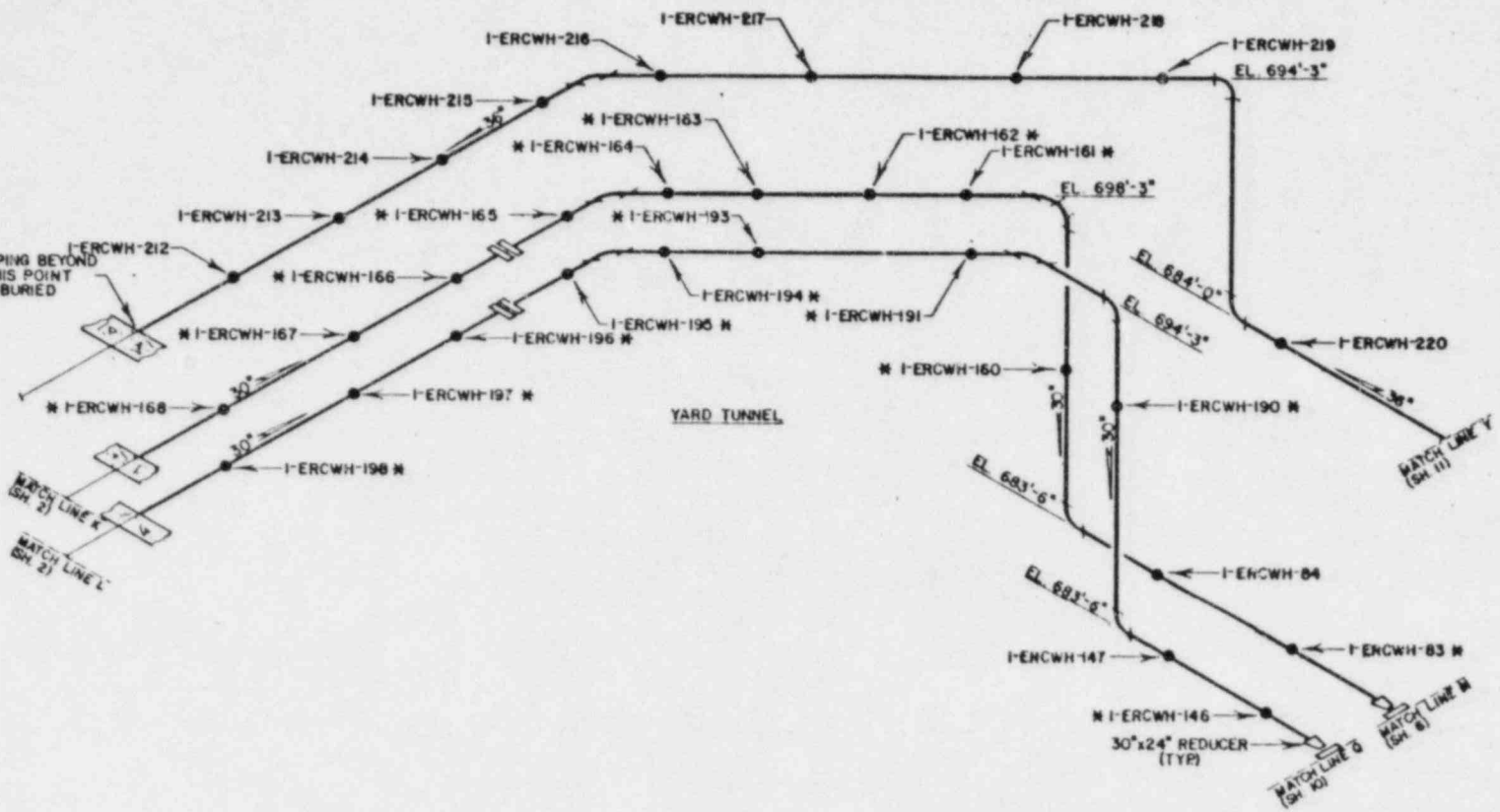
DESIGN ATS	SUBMITTED	APPROVED	DATE 6-18-84
DRAWN AAL			SHEET 1 OF 2
TRACED			

SI-0158-C R0

REFERENCE DRAWINGS
47K450-52
47K450-59

LEGEND
● RIGID SUPPORT
✱ WELDED ATTACHMENTS

TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

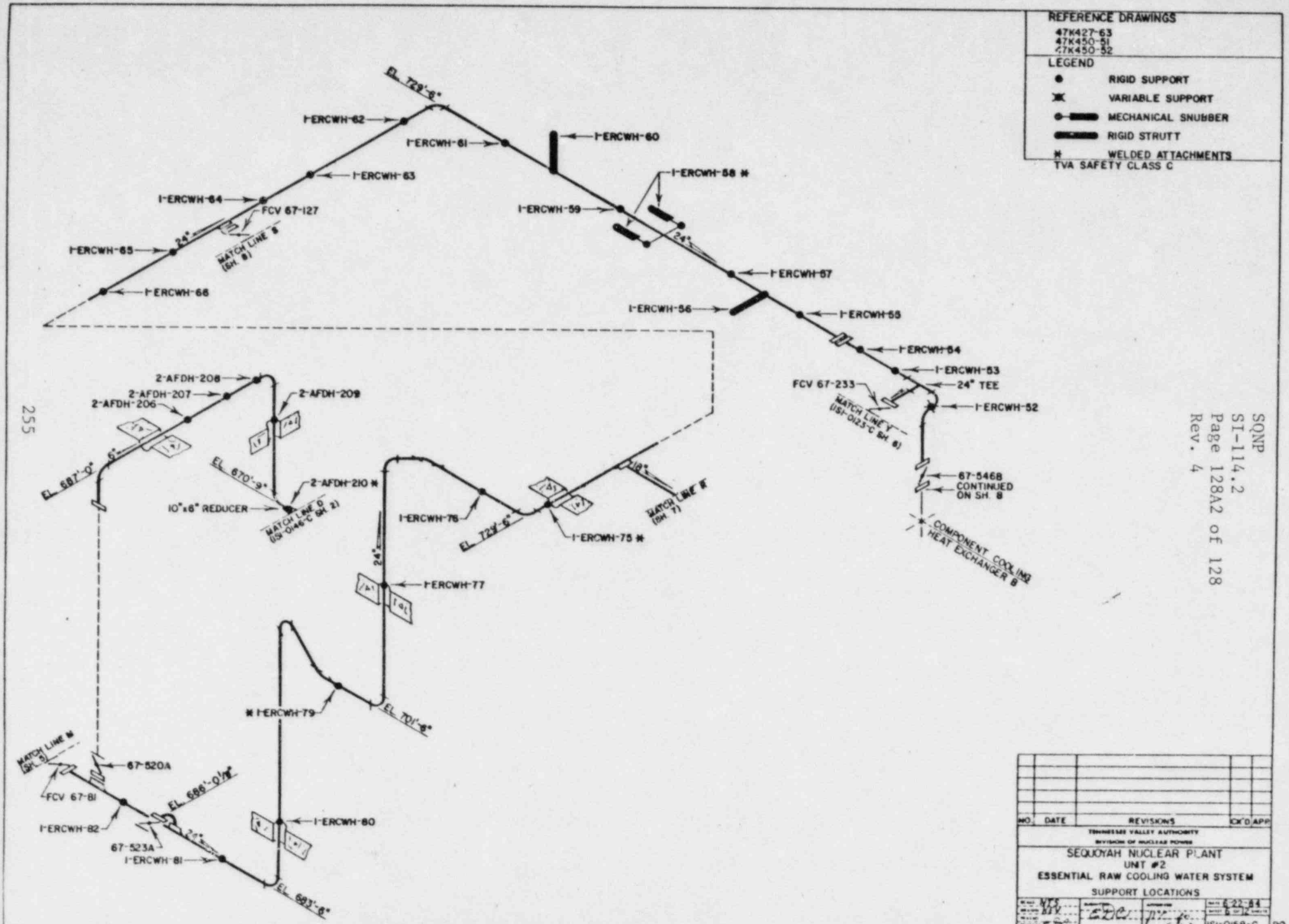
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

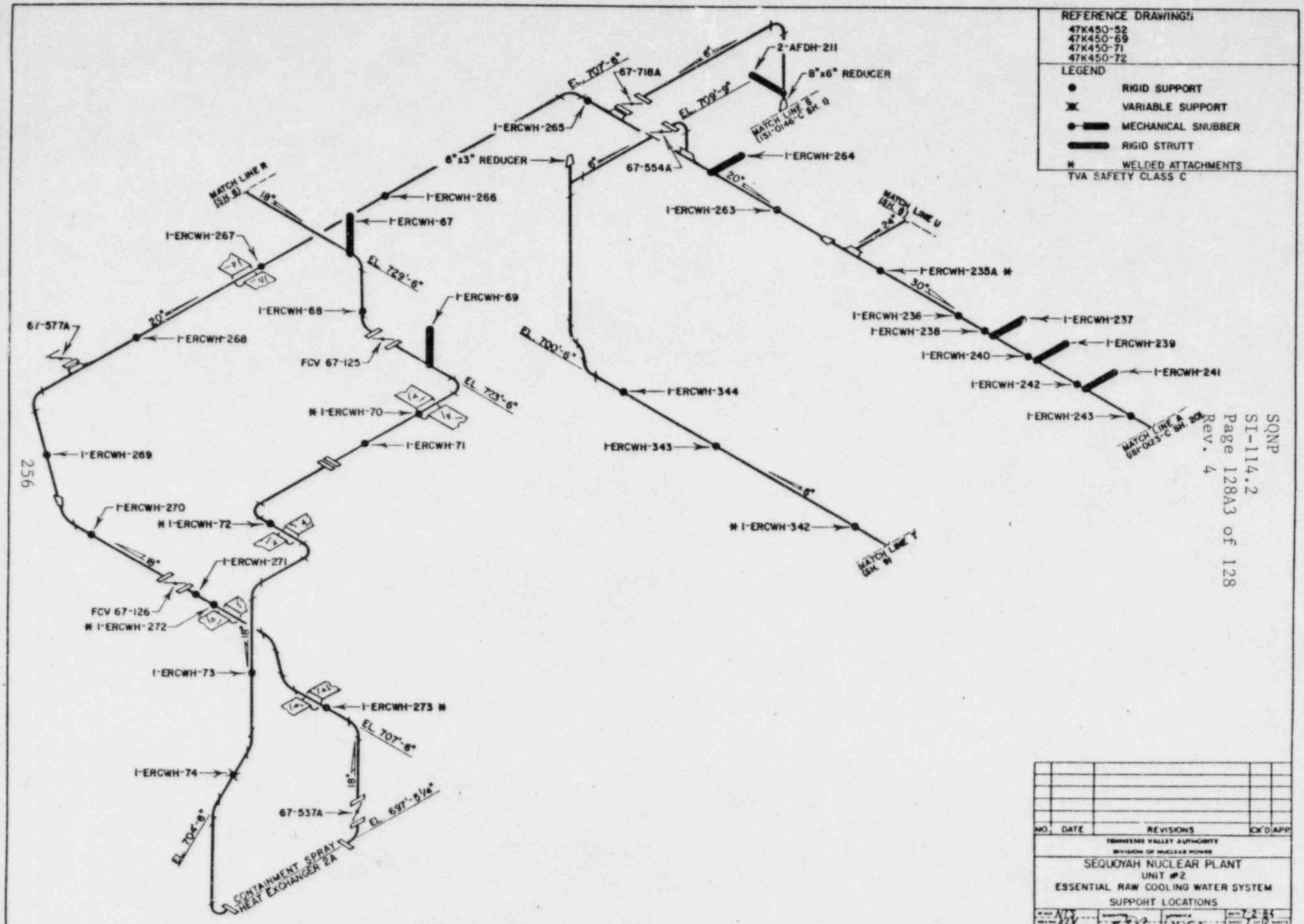
SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

DRAWN	DES	TRACED	CHECKED	DATE
NLS	EDC	VK	TCB	6-21-84

SCALE: 3/32" = 1'-0"

ISI-0158-C RO


REFERENCE DRAWINGS
47K427-63
47K450-51
47K450-52
LEGEND
RIGID SUPPORT
VARIABLE SUPPORT
MECHANICAL SNUBBER
RIGID STRUTT
WELDED ATTACHMENTS
TVA SAFETY CLASS C
EL. 729'-8"
1-ERCWH-62
1-ERCWH-61
1-ERCWH-60
1-ERCWH-63
1-ERCWH-64
FCV 67-127
1-ERCWH-58 #
1-ERCWH-59
24"
1-ERCWH-65
MATCH LINE B (SH. 8)
1-ERCWH-66
1-ERCWH-57
1-ERCWH-56
1-ERCWH-55
1-ERCWH-54
1-ERCWH-53
FCV 67-233
24" TEE
MATCH LINE Y (IS)-0123-C SH. 8)
1-ERCWH-52
2-AFDH-208
2-AFDH-207
2-AFDH-206
2-AFDH-209
EL. 687'-0"
6"
EL. 670'-9"
2-AFDH-210 #
10"x6" REDUCER
MATCH LINE D (IS)-0146-C SH. 2)
1-ERCWH-76
EL. 729'-6"
1-ERCWH-75 #
10"
MATCH LINE E (SH. 7)
67-5468
CONTINUED ON SH. 8
COMPONENT COOLING HEAT EXCHANGER B
24"
1-ERCWH-77
1-ERCWH-79
EL. 701'-8"
MATCH LINE M (SH. 9)
67-520A
FCV 67-81
EL. 686'-0 1/8"
1-ERCWH-82
67-523A
24"
1-ERCWH-80
1-ERCWH-81
EL. 693'-6"
NO. DATE REVISIONS BY CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS
6-22-84
ISI-0158-C
R0



NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

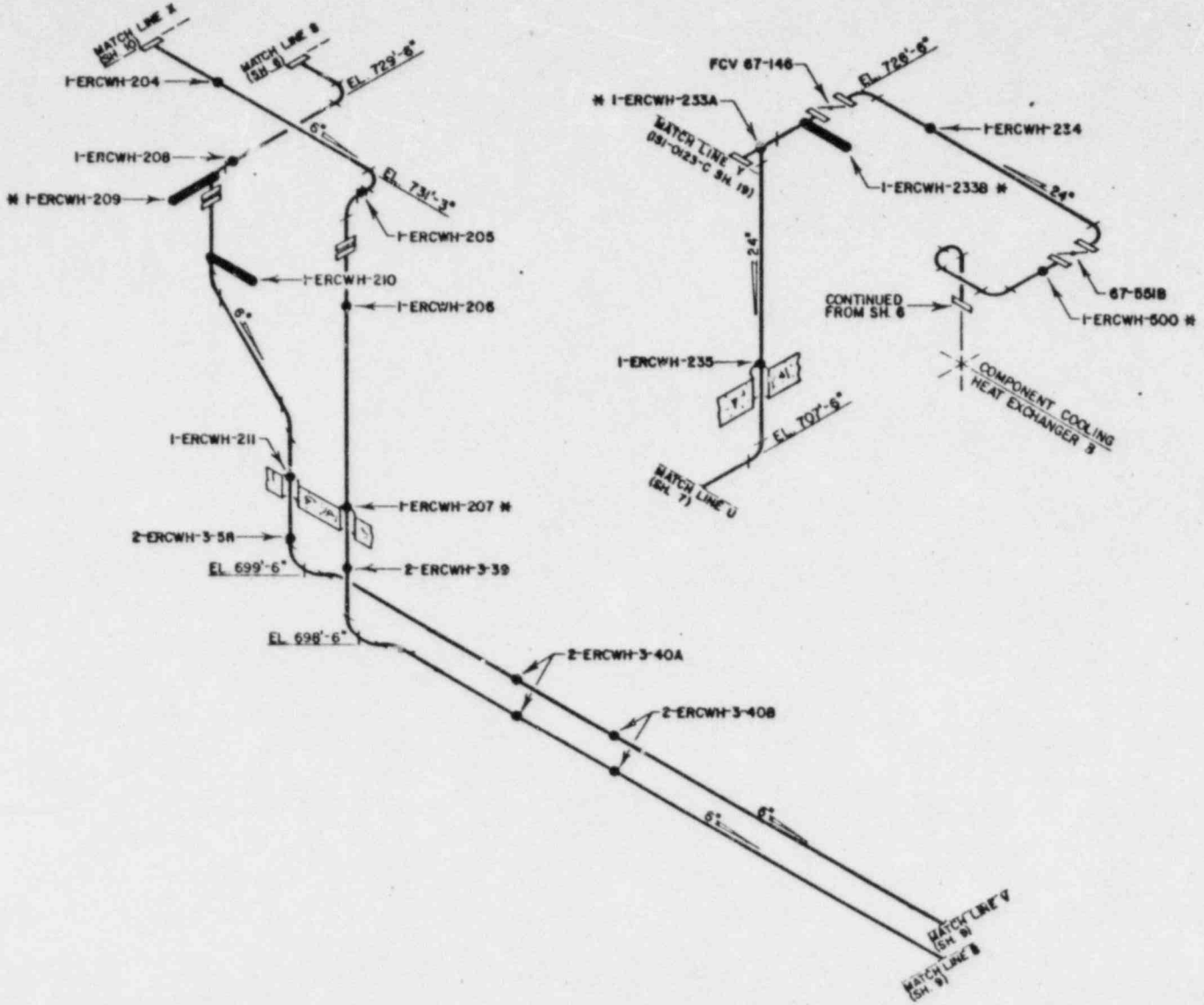
7-2-85

ISI-0158-C

RO

256

SQNP
SI-114.2
Page 128A3 of 128
Rev. 4



REFERENCE DRAWINGS

47K450-53
47K450-60
47K450-65
47K450-71
47W450 SERIES

LEGEND

- ● RIGID SUPPORT
- ▬ RIGID STRUTT
- * WELDED ATTACHMENTS

TVA SAFETY CLASS C

NO.	DATE	REVISIONS	CK'D	APP

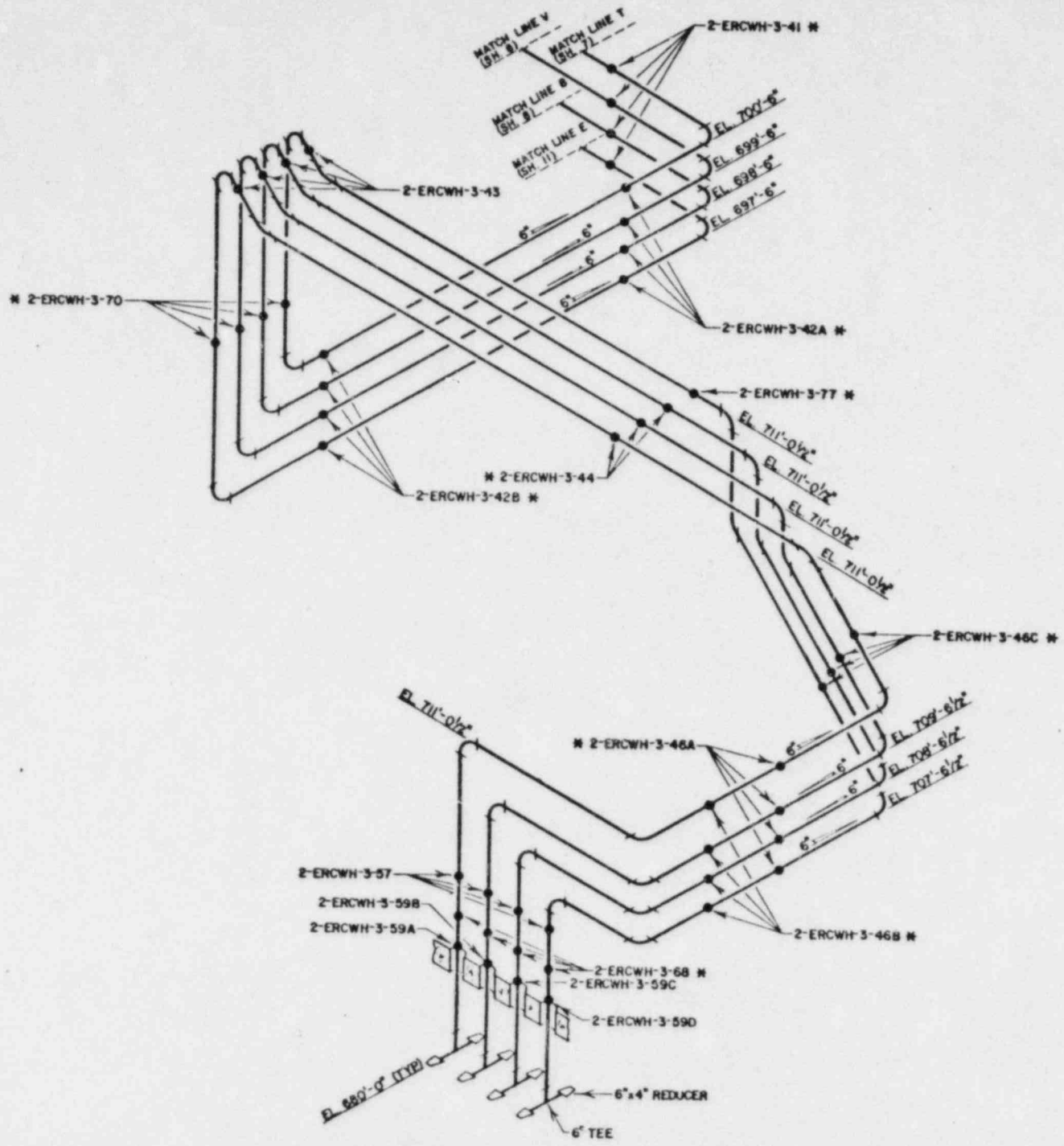
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

DES.	DRAWN	TRACED	2-A4
DES.	5/2/82	6/2/82	BSI-0158-C

NO

SQNP
SI-114.2
Page 128A4 of 128
Rev. 4



REFERENCE DRAWINGS
47W450 SERIES

LEGEND
● RIGID SUPPORT
✕ WELD ATTACHMENTS
T.V.A SAFETY CLASS C

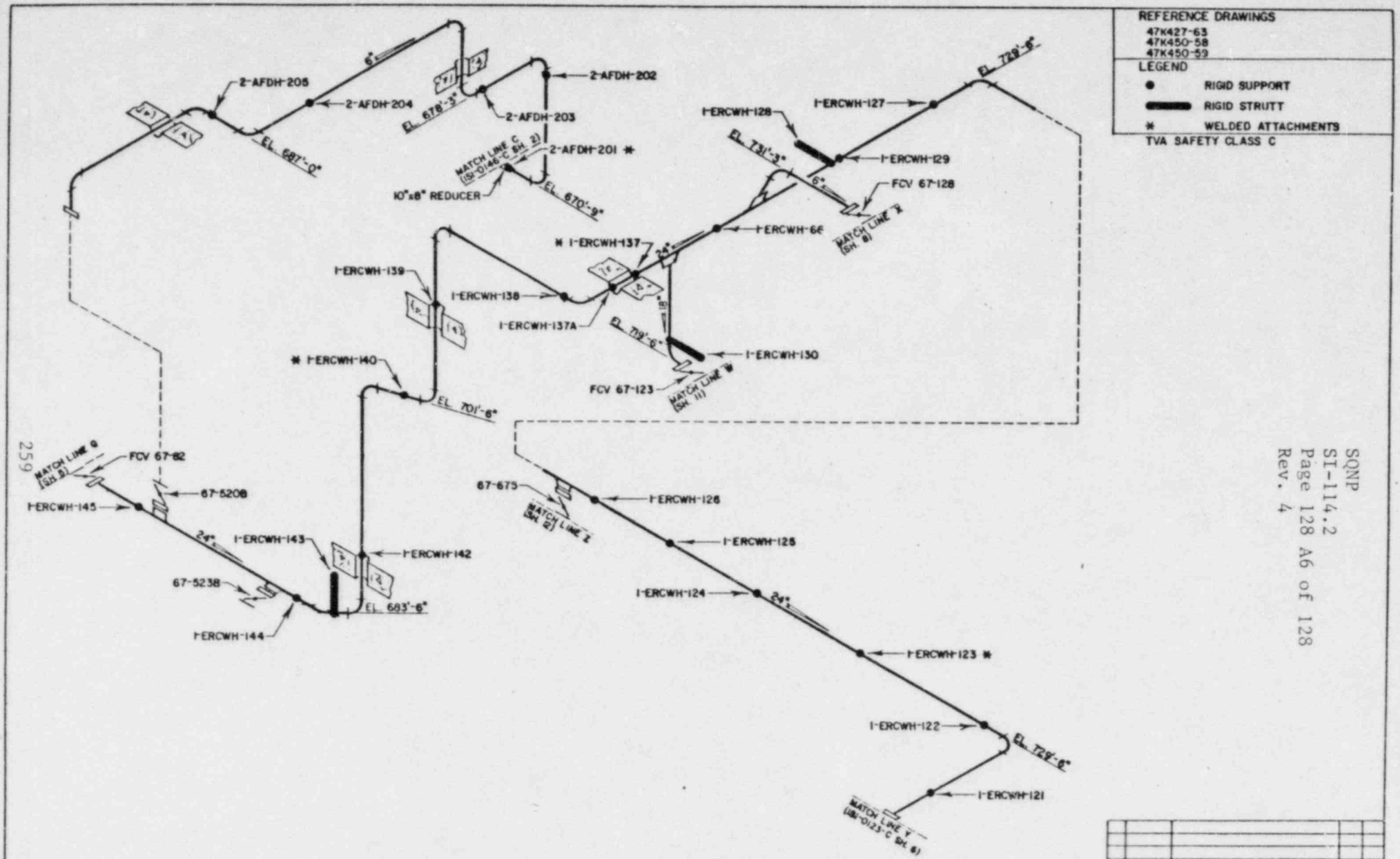
NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

ISI-0158-C R0

SQNP
SI-114.2
Page 128A5 of 128
Rev. 4



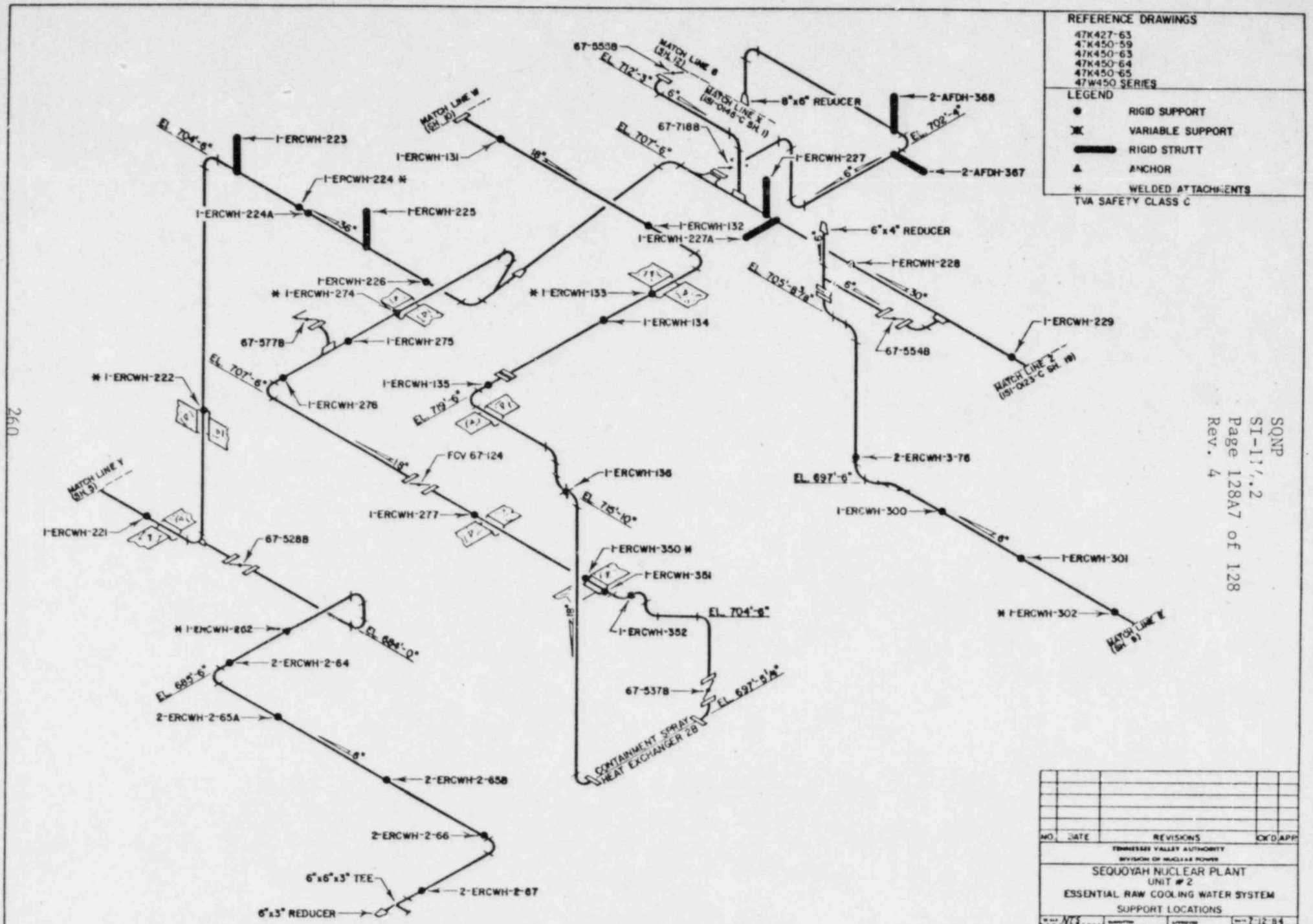
NO. DATE REVISIONS CK'D APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

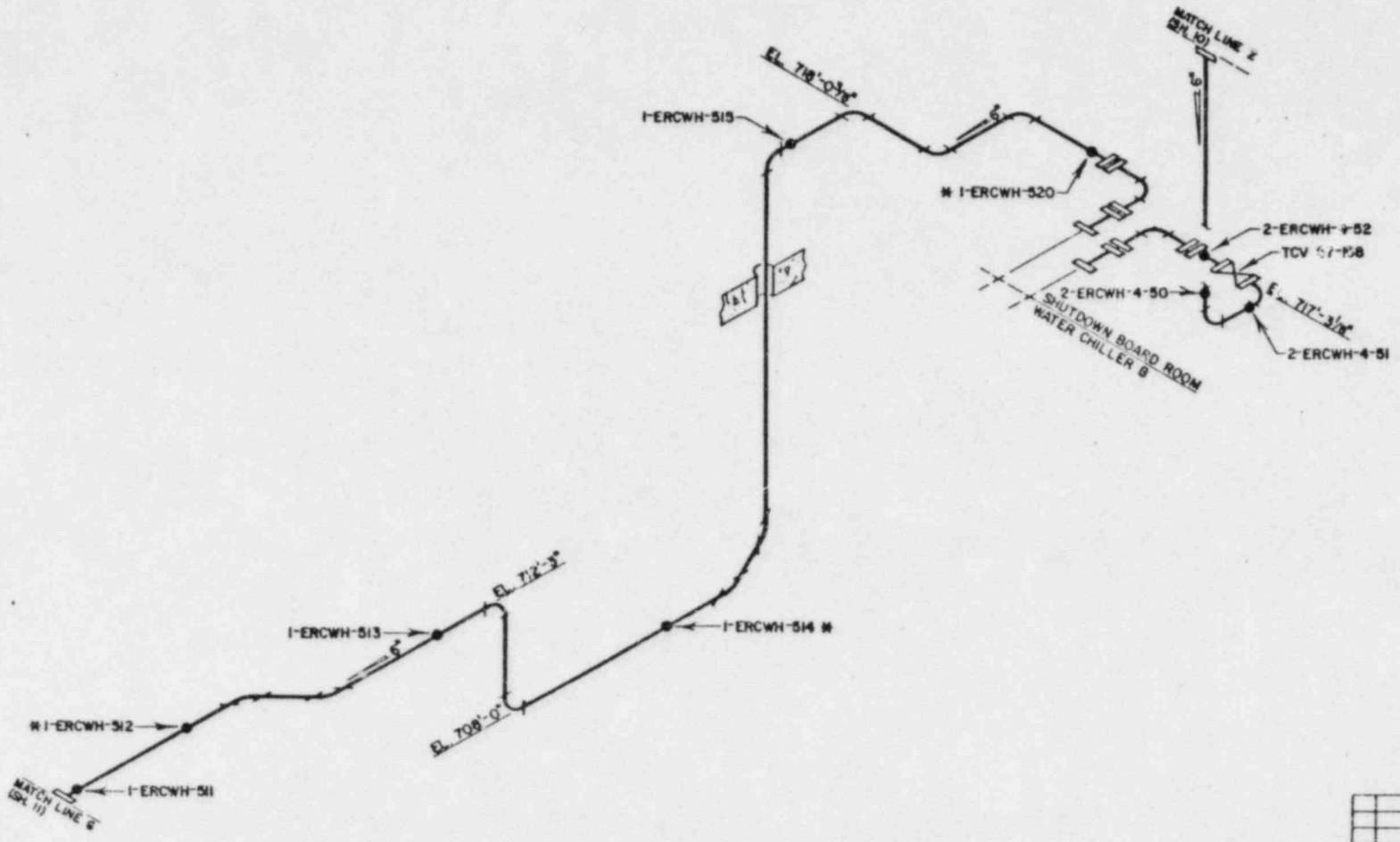
7-6-84

ISI-0158-C RO


REFERENCE DRAWINGS
47K427-63
47K450-59
47K450-63
47K450-64
47K450-65
47W450 SERIES
LEGEND
RIGID SUPPORT
VARIABLE SUPPORT
RIGID STRUTT
ANCHOR
WELDED ATTACHMENTS
TVA SAFETY CLASS C
67-5538
MATCH LINE 6 (SH. 12)
EL. 712'-3"
MATCH LINE 5 (SI-0148-C SH. 1)
8"x6" REDUCER
2-AFDH-368
EL. 702'-4"
67-7188
EL. 707'-6"
1-ERCWH-227
2-AFDH-367
EL. 704'-6"
1-ERCWH-223
MATCH LINE 4 (SH. 9)
1-ERCWH-131
1-ERCWH-224 N
1-ERCWH-224A
1-ERCWH-225
1-ERCWH-132
1-ERCWH-227A
6"x4" REDUCER
1-ERCWH-228
EL. 705'-8 3/8"
1-ERCWH-226
* 1-ERCWH-274
* 1-ERCWH-133
1-ERCWH-134
1-ERCWH-229
67-5548
67-5778
1-ERCWH-275
MATCH LINE 2 (SI-0123-C SH. 19)
* 1-ERCWH-222
EL. 707'-6"
1-ERCWH-276
1-ERCWH-135
EL. 719'-6"
2-ERCWH-3-76
EL. 697'-0"
FCV 67-124
1-ERCWH-136
EL. 715'-10"
MATCH LINE 7 (SH. 5)
1-ERCWH-277
1-ERCWH-300
1-ERCWH-221
67-5288
1-ERCWH-350 N
1-ERCWH-351
1-ERCWH-301
EL. 704'-8"
* 1-ERCWH-262
1-ERCWH-352
* 1-ERCWH-302
MATCH LINE 8 (SH. 8)
EL. 694'-0"
2-ERCWH-2-64
EL. 685'-6"
67-5378
EL. 697'-5 1/8"
2-ERCWH-2-65A
CONTAINMENT SPRAY HEAT EXCHANGER 2B
2-ERCWH-2-65B
2-ERCWH-2-66
6"x6"x3" TEE
2-ERCWH-2-67
6"x3" REDUCER
NO. DATE REVISIONS CK'D APP
TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER
SEQUOYAH NUCLEAR PLANT
UNIT # 2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS
ISI-0158-C
RO

REFERENCE DRAWINGS
47K450-58
47K450-65

LEGEND
● RIGID SUPPORT
* WELDED ATTACHMENTS
TVA SAFETY CLASS C



NO.	DATE	REVISIONS	CK'D	APP

TENNESSEE VALLEY AUTHORITY
DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNIT #2
ESSENTIAL RAW COOLING WATER SYSTEM
SUPPORT LOCATIONS

DRAWN NTK			7-17-84
TRACED REV			12-12
DESIGN SRC			ISI-0158-C

RO

APPENDIX A

TABLE D

Valves Subject to the Requirements of Examination
Category B-M-2 of Table IWB-2500-1 of Section XI

Valve No.	Code Class	Valve Cat.	Piping System	Valve Size	Valve Type	Valve Act	Group No.	TVA Dwg No. (Weld Map)	Vendor Dwg No.	Vendor	Material Spec.	Valve Function	Forging/ Casting
FCV-63-67	A	B-PAS	SIS	10"	Gate	MO	1	CHM-2333-C	88926	Velan	ASTM A182		Forging
FCV-63-80	A	B-PAS	SIS	10"	Gate	MO	1	CHM-2333-C	88926	Velan	ASTM A182		Forging
FCV-63-98	A	B-PAS	SIS	10"	Gate	MO	1	CHM-2333-C	88926	Velan	ASTM A182		Forging
FCV-63-118	A	B-PAS	SIS	10"	Gate	MO	1	CHM-2333-C	88926	Velan	ASTM A182		Forging
63-560	A	AC-Act	SIS	10"	Ck	SA	2	CHM-2333-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-561	A	AC-Act	SIS	10"	Ck	SA	2	CHM-2333-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-562	A	AC-Act	SIS	10"	Ck	SA	2	CHM-2333-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-563	A	AC-Act	SIS	10"	Ck	SA	2	CHM-2333-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-622	A	AC-Act	SIS	10"	Ck	SA	2	CHM-2333-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-623	A	AC-Act	SIS	10"	Ck	SA	2	CHM-2333-C	94-1289	Darling	ASTM A516[1]	PSIV	
63-624	A	AC-Act	SIS	10"	Ck	SA	2	CHM-2333-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-625	A	AC-Act	SIS	10"	Ck	SA	2	CHM-2333-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-640	A	AC-Act	SIS/RHR	8"	Ck	SA	2	CHM-2336-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-643	A	AC-Act	SIS/RHR	8"	Ck	SA	2	CHM-2336-C	94-12892	Darling	ASTM A516[1]	PSIV	
63-558	A	AC-Act	SIS	6"	Ck	SA	3	CHM-2333-C	78704	Velan	ASTM A182	PSIV	Forging
63-559	A	AC-Act	SIS	6"	Ck	SA	3	CHM-2333-C	78704	Velan	ASTM A182	PSIV	Forging
63-632	A	AC-Act	SIS	6"	Ck	SA	3	CHM-2333-C	78704	Velan	ASTM A182	PSIV	Forging
63-633	A	AC-Act	SIS	6"	Ck	SA	3	CHM-2333-C	78704	Velan	ASTM A182	PSIV	Forging
63-634	A	AC-Act	SIS	6"	Ck	SA	3	CHM-2333-C	78704	Velan	ASTM A182	PSIV	Forging
63-635	A	AC-Act	SIS	6"	Ck	SA	3	CHM-2333-C	78704	Velan	ASTM A182	PSIV	Forging
63-641	A	AC-Act	SIS/RHR	6"	Ck	SA	3	CHM-2336-C	78704	Velan	ASTM A182	PSIV	Forging
63-644	A	AC-Act	SIS/RHR	6"	Ck	SA	3	CHM-2336-C	78704	Velan	ASTM A182	PSIV	Forging
68-563	A	C	RCS	6"	Re	SA	4	CHM-2334-C	H51688	Crosby	ASTM A182/ A351[2]		See Note[2]

APPENDIX A

TABLE D

Valves Subject to the Requirements of Examination
Category B-M-2 of Table IWB-2500-1 of Section XI

Valve No.	Code Class	Valve Cat.	Piping System	Valve Size	Valve Type	Valve Act	Group No.	TVA Dwg No. (Weld Map)	Vendor Dwg No.	Vendor	Material Spec.	Valve Function	Forging/ Casting
68-564	A	C	RCS	6"	Rel	SA	4	CHM-2334-C	H51688	Crosby	ASTM A182/ A351[2]		See Note[2]
68-565	A	C	RCS	6"	Rel	SA	4	CHM-2334-C	H51688	Crosby	ASTM A182/ A351[2]		See Note[2]
FCV 74-1	A	A-Act	RHR	14"	Gate	MO	5	CHM-2336-C	E-1-144831	Copes-Vulcan	ASTM A182	PSIV	Forging
FCV-74-2	A	A-Act	RHR	14"	Gate	MO	5	CHM-2336-C	E-1-144831	Copes-Vulcan	ASTM A182	PSIV	Forging
87-558	A	AC-Act	UHI	8"	Ck	SA	6	CHM-2337-C	B-148885	Copes-Vulcan	ASTM A182	PSIV	Forging
87-559	A	AC-Act	UHI	8"	Ck	SA	6	CHM-2337-C	B-148885	Copes-Vulcan	ASTM A182	PSIV	Forging
87-560	A	AC-Act	UHI	8"	Ck	SA	6	CHM-2337-C	B-148885	Copes-Vulcan	ASTM A182	PSIV	Forging
87-561	A	AC-Act	UHI	8"	Ck	SA	6	CHM-2337-C	B-148885	Copes-Vulcan	ASTM A182	PSIV	Forging
87-562	A	AC-Act	UHI	12"	Ck	SA	6	CHM-2337-C	B-148885	Copes-Vulcan	ASTM A182	PSIV	Forging
87-563	A	AC-Act	UHI	12"	Ck	SA	6	CHM-2337-C	B-148284	Copes-Vulcan	ASTM A182	PSIV	Forging

NOTES:

[1]Seal plate manufactured to ASTM A240 F304.
[2]Nozzle manufactured to ASTM A182 F316 - Forging Body manufactured to ASTM A351 CF8M - Casting

APPENDIX C DATA
SHEET 1

SEQUOYAH NUCLEAR PLANT

UNIT 2, CYCLE _____

INSERVICE INSPECTION FINAL REPORT

Reviewed by:

Quality Engineering Branch, Chief _____

Plant Superintendent _____

APPENDIX D
NOTIFICATION OF INDICATION

PART I - FINDINGS

NOI No. _____ Plant/Unit _____

Examination Report No. _____ Component ID _____

Drawing No. _____

Description of Indication: (Attach Sketch/Photograph if needed)

_____

_____

_____

Signature of Examiner/Certification Level _____
Date

Signature of Field Supervisor (Contractor) _____
Date

NDE Section Representative _____
Date

PART II - DISPOSITION

_____

_____

_____

Disposition Prepared By _____
Date

Disposition Approved By _____
Date

PART III - VERIFICATION

Verification of Completed Corrective Action and/or Examinaton by NDE Section Representative.

_____

_____

_____

Signature _____ Date _____

APPENDIX E

REQUEST FOR RELIEF

REQUEST FOR RELIEF ISI-1

Components: Reactor coolant pumps (four per unit)

Class: TVA Safety Class A

Function: circulates reactor coolant

Inspection Requirement: category B-L-2, item No. B12.20, visual examination of pump internal pressure boundary surface.

Basis for Relief: In absence of required maintenance, disassembly of a reactor coolant pump solely to perform a visual examination of internal surfaces is impractical. This would represent an unnecessary employee exposure to high radiation and contamination areas and an excessive expense to TVA.

Time required for this major task of disassembly, examination, and reassembly would consume at least three weeks of 24-hours-per-day work. Radiation dose rates of the pump exterior will average 100 to 300 mrem/hour, and pump internal dose rates will average 10 to 20 rem/hour.

The benefit received from this major effort is minimal considering employee exposure, potential damage to safety-related equipment, and cost in dollars.

In addition, the two units at Sequoyah Nuclear Plant will operate under similar conditions. Therefore, we feel that if a pump from one of the units is disassembled for maintenance during a ten-year interval, the visual examination performed will be representative of the pump condition for each unit. This would avoid unnecessary employee exposure to the high radiation dose rates noted above. We conclude that if one pump is disassembled for maintenance during the ten-year interval, the visual examination performed satisfies examination category B-L-2 requirements for both units. Disassembly of the pump solely for visual examination is impractical.

REQUEST FOR RELIEF ISI-1

(Continued)

Alternate Inspection: The internal surface of the reactor coolant pump casing will be visually examined whenever the surfaces are made accessible when a pump is disassembled for maintenance purposes. If during the ten-year interval a pump from either unit is not disassembled for maintenance, a pump from one unit shall be examined from the exterior. This shall be accomplished by ultrasonic thickness measurements of the pump casing.

REQUEST FOR RELIEF ISI-2

Components:	Valves exceeding four-inch nominal pipe size
Class:	TVA Safety Class A
Function:	Various functions
Inspection Requirement:	ASME Section XI, Table IWB-2500-1, examination category B-M-2, item No. B12.40, visual examination of valve internal pressure boundary surface.
Basis for Relief:	During routine maintenance, visual examinations of valve body internal pressure boundary surfaces are performed and documented under existing plant administrative procedures. Most Class A valves, particularly containment isolation valves, are disassembled frequently for maintenance. In addition, the two units at Sequoyah Nuclear Plant will operate under similar conditions. If a valve from one of the units is disassembled for maintenance within a ten-year interval, we feel that the visual examination performed would be representative of both units and would be sufficient to satisfy the examination requirements for both units for that particular valve classification as defined in examination category B-M-2. We conclude that if one valve in each group of valves of the same constructional design and manufacturer that perform similar functions is disassembled from either unit during the ten-year interval, the visual examination performed satisfies examination cagegory B-M-2 requirements of both units.
Alternate Inspection:	If a valve from a particular classification has not been disassembled at the end of the inspection interval approaches, a case-by-case study will be made to determine the practicality of disassembling a valve from one of the units solely for visual examination (determine if draining the vessel would be required, etc.). If necessary, a request for relief will be issued at that time.

REQUEST FOR RELIEF ISI-3

Components:	Pressure-retaining welds in piping
Class:	TVA Safety Classes A and B
Function:	Pressure-retaining component
Inspection Requirement:	ASME Section XI, Table IWB-2500-1, examination categories B-F (item No. B5.50), B-J (item Nos. B9.10, B9.20, and B9.30), and C-F (item Nos. C5.10, C5.20, and C5.30), volumetric examination of longitudinal, circumferential, and pipe branch connection welds.
Basis for Relief:	In some cases it will be impractical to inspect all welds from both sides, i.e., nonremovable hanger interference or valve and pump casingsadjoining the welds. These welds will be noted on the ultrasonic examination data sheets.
Alternate Inspection:	In addition to the visual examination performed during system leakage and hydrostatic pressure tests, a "best effort" ultrasonic examination will be performed. Where there is interference or problems from one direction only, considertaion will be given to performing an angle beam examination for 2T + (greater than two wall thicknesses from one edge of weld) from the accessible side of the weld in order to examine the entire weld cross-section.

REQUEST FOR RELIEF ISI-4

Component:	Steam generator (four per unit)
Class:	TVA Safety Class B
Inspection Requirement:	ASME Section XI, Table IWB-2500-1, examination category C-A, item No. C1.10, volumetric examination of circumferential shell welds.
Basis for Relief:	One circumferential shell weld on each generator is inaccessible due to the upper steam generator support brackets (weld Nos. SGW-D1, -D2, -D3 and -D4). See attached drawing CH-M-2345-B for weld location. Also attached drawing CH-M-2345-B for weld location. Also attached are drawings showing arrangements of the support brackets. One weld on one generator will be examined on a "best effort" basis for the baseline inspection intervals in accordance with IWC-2411 and Table IWC-2500-1.
Alternate Inspection:	None

REQUEST FOR RELIEF ISI-5

Component:	Reactor Pressure Vessel
Class:	TVA Safety Class A
Inspection Requirement:	ASME Section XI, Table IWB 2500-1, examination category B-A, item No. B1.20, 100-percent preservice baseline volumetric examination of lower head dollar weld, under conditions and with equipment and techniques equivalent to those expected to be employed during inservice inspection.
Basis for Relief:	TVA will employ automated remote inspection devices to examine most of the reactor vessel welds. These examinations will be conducted from the vessel inside diameter. However, the lower head weld on each reactor pressure vessel is partically inaccessible for examination from the vessel inside diameter due to instrumentation tubes which penetrate the lower head (weld No. W01-02 - see attached drawings). Portions of the weld can be examined from one side (as permitted by T-441.4, Article 4 of Section XI) and will include 100 percent of the examination volume in accordance with IWB-3511.1 of Section V. These portions of the weld will be reexamined during the inservice intervals in accordance with the examination category B-A of Table IWB-2500-1.
Alternate Inspection:	A 100-percent baseline examination of the weld will be conducted from the vessel outside diameter. This will be accomplished by performance of a manual ultrasonic examination. A remote ultrasonic examination will be conducted from the vessel inside diameter on all accessible areas of the weld.

REQUEST FOR RELIEF ISI-6

Component:	Steam Generator (four per unit)
Class:	TVA Safety Class A
Inspection Requirement:	ASME Section XI, Table IWB-2500-1, examination category B-D, item No. B3.60, volumetric examination of nozzle inside radius section on the primary side.
Basis for Relief:	Each steam generator consists of two integrally cast nozzles and two integrally cast manways. The present capability of ultrasonic testing is not sufficient to examine cast material of this thickness and achieve meaningful results. (See attached drawing).
Alternate Inspection:	None

REQUEST FOR RELIEF ISI-7

Component:	Reactor Coolant Loop Piping Welds (2)
Class:	TVA Safety Class A
Inspection Requirement:	ASME Section XI, IWB-2500-1, examination category B-J, item No. B9.10, volumetric examination of circumferential welds.
Basis for Relief:	Two circumferential shell welds in the reactor coolant loop piping (RC-23S1 and -31S1, loops 3 and 4) are located inside the reactor vessel shield wall and are inaccessible for baseline and inservice examination (see attached drawings). Both welds have undergone shop radiographic examinations. Since the baseline inspection serves as a reference to future inservice inspections and bot welds will be inaccessible for inservice inspections, the shop radiographic examinations coupled with the Section III hydrostatic test will provide adequate proof of integrity of the system welds. Inservice system leakage and hydrostatic testing will prove weld integrity during the life of the plant.
Alternate Inspection:	None

REQUEST FOR RELIEF ISI-8

Component:	Reactor coolant pumps (four per unit)
Class:	TVA Safety Class A
Inspection Requirement:	ASME Section XI, IWB-2500-1, examination category B-L-1, item No. B12.10, volumetric examination of pressure-retaining welds in pump casing.
Basis for Relief:	Each reactor coolant pump casing consists of a two-piece welded type 304 SST casting. The present capability of ultrasonic testing is not sufficient to examinate cast material of this thickness and achieve meaningful results.
Alternate Inspection:	All four welds will be surface examined for the preservice baseline, and one weld will be surface examined during each inspection interval.

SEQUOYAH NUCLEAR PLANT

REQUEST FOR RELIEF ISI-9

Component:	Uncladded vessel welds in ferritic material less than two inches in thickness.
Class:	TVA Safety Classes A and B
Inspection Requirement:	Ultrasonic examination of welds, paragraph T-530 of ASME Section V, Article 5, 1977 Edition, Summer 1978 Addenda as referenced in paragraph IWA-2232 (c) of ASME Section XI 1977 Edition Summer 1978 Addenda.
Basis for Relief:	Paragraph T-533.2(a) of Article 5 of ASME Section V requires that the basic calibration block include a basic calibration hole drilled parallel to the contact surface. However, paragraph T-533.2(b) permits the use of other calibration reflectors provided equivalent responses to that from the basic calibration hole are demonstrated. TVA currently uses five percent notches in lieu of side drilled holes. Although the use of the five percent notch cannot be shown to be equivalent in all cases to the applicable side-drilled holes, TVA considers that examinations are technically acceptable based on the calibration requirements of paragraph III-3430 of Appendix III to the 1977 Edition, Summery 1978 Addenda of ASME Section XI. The calibration notches for ferritic material are 10%t when t is less than .312" and $.104t-.009t^2$ for material .312"-6" thick. TVA's use of five percent notches is considered equivalent to the latest approved code examination techniques.
Alternate Inspection:	TVA proposes to continue the use of notches located on the I.D. and O.D. surfaces at a nominal depth of 5%t as reference reflectors.

REQUEST FOR RELIEF ISI-10

Components: Reactor vessel flange to upper shell weld

Class: TVA Safety Class A

Inspection Requirement: ASME Section XI, Table IWB-2500-1, examination category B-A, item No. B1.30, volumetric from flange face

Basis for Relief: The reactor vessel flange-to-upper shell weld is located behind the core barrel and is therefore inaccessible until the core barrel is removed. The vessel flange-to-upper shell weld is 41.9 inches below the flange face. Due to the location of the vessel flange-to-upper shell weld, TVA intends to address the weld as a reactor vessel shell weld.

We have reviewed the Sequoyah Reactor Vessel Stress Report entitled Analysis of the Main Closure Including Core Support Ledge (Document No. 30616-1105) purposely to determine a fatigue usage factor for the vessel flange to shell weld. This analysis does not provide a usage factor specifically for the weld because the analysis considers weld and base material to be homogeneous and equal in elasticity, strength, and fatigue properties. Instead, the analysis provides usage factors at critical locations.

The maximum fatigue usage factor in the vessel in the vacinity of the flange to shell weld as found in the above anlaysis is 0.00662 and this value can be conservatively used for the weld. We consider the valuve of 0.00662 to be extremely low compared to the code allowed fatigue usage factor of 1.0.

We conclude that the distance (") from the flange face to the flange-to-upper shell weld coupled with present ultrasonic techniques and the very low fatigue usage factor that the flange-to-upper shell weld should be treated as a reactor vessel shell weld.

Alternate Inspection: A remote ultrasonic examination of the weld will be conducted from the vessel inside diameter near the end of the inspection interval.

REQUEST FOR RELIEF ISI-11

Components: Feedwater Piping System and Associated Supports

Class: TVA Safety Class B

Inspection Requirement: IE Bulletin 79-13, Revision 2, dated October 16, 1979, was issued to provide inspection requirements for part of the feedwater piping system and associated supports to monitor the feedwater pipe cracking problem.

Item 1.a. requires the TVA perform radiographic (RT) examination, supplemented by ultrasonic examination as necessary to evaluate indications, of all feedwater nozzle-to-pipe welds of adjacent pipe and nozzle areas (a distance equal to at least two wall thicknesses). Evaluation shall be in accordance with ASME Section III, Subsection NC, Article NC-5000. Radiography shall be performed to the 2T penetrameter sensitivity level in lieu of Table NC-5111-1 with systems void of water. TVA met this requirement after hot functional testing for Sequoyah units 1 and 2.

Item 1.c. requires that TVA perform visual inspection of feedwater system piping supports and snubbers in containment to verify operability and conformance to design. TVA also met this requirement after hot functional testing.

Item 2.a of actions to be taken by licenses in IE Bulletin 79-13, Revision 2, dated October 16, 1979, requires during the first refueling outage that TVA perform volumetric examination of the feedwater nozzle-to-pipe welds, the feedwater piping welds to the first support, the feedwater line-to-containment penetration welds, the line one pipe in diameter downstream of auxiliary feedwater to main feedwater connection. Also, item 2.c. requires that TVA perform a visual inspection of all feedwater system piping supports and snubbers in containment to verify operability and conformance to design. These requirements were imposed before the cause of the feedwater line cracking problem was known.

REQUEST FOR RELIEF ISI-11

Basis for Relief:

TVA requests relief from examining the feedwater piping welds to the first support, the feedwater line-to-containment penetration welds, and the main feedwater line one pipe diameter downstream of the auxiliary feedwater to main feedwater connection. As required by item 2.a. TVA proposes to perform a volumetric examination on the feedwater nozzle-to-pipe welds in performing visual inspections of all feedwater system piping supports and snubbers in containment other than required by ASME Section XI.

At the time IE Bulletin 79-13 was issued, the real cause of the feedwater pipe cracking problem was not fully understood. As a result, TVA believes that a request for relief from these requirements is warranted. Our justification is as follows:

1. The Westinghouse Owners Group's efforts which are documented in WCAP-9693, Investigation of Feedwater Line Cracking in Pressurized Water Reactor Plants, dated June 1980 provided information to substantiate that the feedwater pipe cracks are fatigue failures which are caused by thermal stratification and thermal striping during low-flow rate feedwater injection. The effects of thermal stratification and striping are enhanced by temperature difference between cold feedwater and hot steam generators.

2. TVA believes there is a basis for the item 2.a. volumetric examinations of the feedwater nozzle-to-pipe welds because thermal stratification and striping are known to occur at this location; however, now that the cause of feedwater pipe cracking is known, TVA does not believe there is a basis for requiring volumetric examinations of the remaining feedwater piping in item 2.a. because the thermal and geometric conditions do not exist at these locations to support thermal stratification and striping. In addition, during a telephone conversation with NRC on September 2, 1982, TVA questioned why the IE Bulletin required RT examinations of the remaining feedwater piping.

REQUEST FOR RELIEF ISI-11

Bill Crowley, of NRC, stated that this requirement was for purposes of "upgrading" the construction radiographs of this requirement piping from 4T sensitivity to 2T sensitivity. Mr. Crowley indicated that other plants which have performed this "upgraded" RT in compliance with the IE Bulletin had found instances of flaws that required repair; however, the feedwater piping in question for Sequoyah units 1 and 2 was in accordance with ANSI B31.7, 1969 Edition with 1970 Addenda, and was RT examined in accordance with TVA process specification 3.M.2.1(d) which requires 2T sensitivity and acceptance standards identifical with NC-5000 of ASME Section III. This was verified through discussions with personnel who performed the RT during construction and an independent review of the site radiographs. It is therefore TVA's position that no "upgrading" of the feedwater piping welds is required for Sequoyah units 1 and 2.

Based on the above justification, TVA concludes that the subject request for relief does not affect safe operation of the unit.

Alternate Inspection: Perform volumetric examinations of the feedwater nozzle-to-pipe welds in accordance with item 2.a. of IE Bulletin 79-13.

APPENDIX F

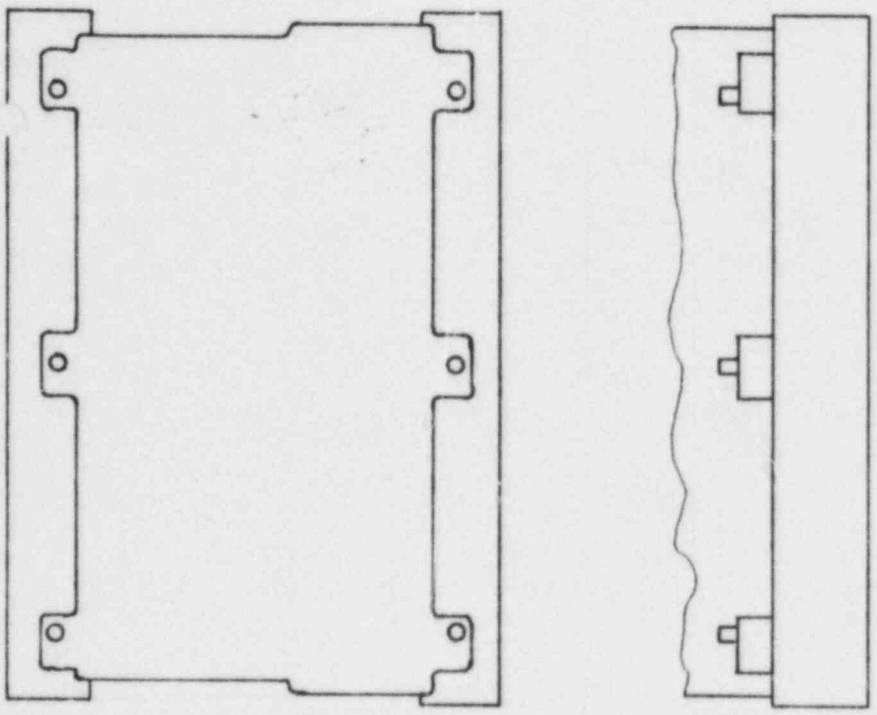
AUGMENTED INSPECTIONS

REFERENCE DRAWINGS

P-E274165

NOTES

1. THE PUMP FEET ARE BOLTED TO A COMMON SUPPORT
2. PUMP SUPPORT NUMBERS
   1-PDPH-1C
   2-PDPH-1C



TENNESSEE VALLEY AUTHORITY

DIVISION OF NUCLEAR POWER

SEQUOYAH NUCLEAR PLANT
UNITS #1 & #2
RECIPROCATING CHARGING PUMP SUPPORTS
(POSITIVE DISPLACEMENT PUMP)

SCALE: NTS	SUBMITTED	APPROVED	DATE 8-4-84
DRAWN REV			SHEET OF SHEETS
TRACED			ISI-0164-A
CHECKED EDC			

RC

APPENDIX G

SCAN PLAN DATA
UNIT 2

CY	SYSTM	EXAM AREA	REF #	COD CAT	TYP	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	AST	ASTH000003001	0	CE	LS	ISI0071	01	C	00.00	0.000	UT	NUT 01		RC530		LBM	08/20/83	L-AE8	A
01	AST	AST400000300C4	C	CC	IR	ISI0071	01	S	00.00	0.000	PT	NPT 04		R0723		JEF	08/25/83	L-AE8	A
01	BIT	BITH000003001	0	CE	CS	ISI0074	01		00.00	0.000	UT	NUT 01		R0529		JEF	08/25/83	L-PC590	A
01	BIT	BITC000003002	0	CG	MW	ISI0074	01	C	00.00	2.000	MT	NMT 02		R0529		JEF	08/25/83	L-PC590	A
01	BIT	BITC000003003	0	CA	MW	ISI0074	01	C	00.00	2.000	UT 0	NUT 19	BNP79	R0731	C0042	LBM	08/25/83	L-PC590	A
											UT45	NUT 19	BNP79	R0732	C0043	JCG	08/25/83	L-PC590	A
											UT60	NUT 19	BNP79	R0733	C0044	JCG	08/25/83	L-PC590	A
01	BIT	MWY STUDS	0	CD	MB	ISI0074	01	C	13.50	2.500	UT 0	NUT 05	SQ 55	R0355	C0006	LBM	08/03/83	L-PC590	A
01	CS	CSF000003001	C	CF	CW	ISI0007	01	S	12.00	0.406	PT	NPT 04		R0019		LEW	07/25/83	L-PC553	A
01	CS	CSH000003440	C	CE	RS	MSG0011	01	S	12.00	0.406	UT	NUT 01		R0022		LEW	07/25/83	L-PC553 NOI#SQ0002	R
01	CS	CSH000003440	1	CE	RS	MSG0011	01	S	12.00	0.406	UT	NUT 01		R0597		MSE	08/25/83	L-PC553	A
01	CS	CSH000003441	0	CE	RS	MSG0011	01	S	12.00	0.406	UT	NUT 01		R0014		LEW	07/25/83	L-PC553	A
01	CS	CSH000003442	0	CE	RS	MSG0011	01	S	12.00	0.406	UT	NUT 01		R0013		LEW	07/25/83	L-PC553	A
01	CS	CSH000003445	0	CE	RS	MSG0011	01	S	12.00	0.406	UT	NUT 01		R0012		LEW	07/25/83	L-PC553	A
01	CS	CSH000003450	0	CE	RS	MSG0011	01	S	12.00	0.406	UT	NUT 01		R0015		LEW	07/25/83	L-PC553	A
01	CVC	CVCF000003207B	C	BJ	CW	ISI0009	02	S	03.00	0.438	PT	NPT 04		R0533		CGT	08/17/83	L-LC	A
01	CVC	CVCF000003210	0	BJ	CW	ISI0009	02	S	03.00	0.438	PT	NPT 04		R0532		CGT	08/17/83	L-LC	A
01	CVC	CVCF000003243	0	BJ	CW	ISI0009	02	S	03.00	0.438	PT	NPT 04		R0534		SDF	08/17/83	L-LC	A
01	CVC	CVCF000003243A	0	BJ	CW	ISI0009	02	S	03.00	0.438	PT	NPT 04		R0535		SDF	08/17/83	L-LC	A
01	CVC	CVCH000003001	0	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0213		JEF	07/31/83	L-4AR	A
01	CVC	CVCH000003002	0	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0214		JEF	07/31/83	L-4AR	A
01	CVC	CVCH000003003	0	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0099		JEF	07/27/83	L-RW	A
01	CVC	CVCH000003004	0	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0100		JEF	07/27/83	L-RW	A
01	CVC	CVCH000003005	0	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0101		JEF	07/27/83	L-RW	A
01	CVC	CVCH000003006	0	BK1	IR	MSG0015	01	S	02.00	0.343	PT	NPT 04		R0071		LEW	07/25/83	L-RW	A

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CTC	SYSTM	EXAM AREA	REQ	COD CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	CVC	CVCH000000006	D	BK2	PS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0102		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000007	D	BK2	PS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0103		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000008	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0104		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000009	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0105		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000010	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0106		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000011	D	BK2	PS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0107		JEF	07/28/83	L-RW	A
01	CVC	CVCH000000012	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0108		JEF	07/28/83	L-RW	A
01	CVC	CVCH000000013	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0109		JEF	07/28/83	L-RW	A
01	CVC	CVCH000000015	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0151		MSE	08/21/83	L-LC	A
01	CVC	CVCH000000017	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0110		JEF	07/28/83	L-RW	A
01	CVC	CVCH000000018	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0623		MSE	08/20/83	L-24R	A
01	CVC	CVCH000000019	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0632		MSE	08/21/83	L-LC	A
01	CVC	CVCH000000020	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0111		JEF	07/28/83	L-RW	A
01	CVC	CVCH000000021	D	BK2	RS	MSG0015	01	S	02.00	0.343	UT	NUT 01		R0112		JEF	07/28/83	L-RW	A
01	CVC	CVCH000000030	D	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0215		JEF	07/31/83	L-4AR	A
01	CVC	CVCH000000031	D	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0216		JEF	07/31/83	L-4AR	A
01	CVC	CVCH000000032	D	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0113		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000033	D	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0114		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000034	D	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0115		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000035	D	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0116		JEF	07/27/83	L-RW	A
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01	CVC	CVCH000000037	D	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0118		JEF	07/27/83	L-RW	A
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01	CVC	CVCH000000039	D	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0120		JEF	07/27/83	L-RW	A

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TENNESSEE VALLEY AUTHORITY, DIVISION NUCLEAR POWER
1750 CHESTNUT STREET TOWER II CHATTANOOGA, TENNESSEE 37402
SEQUOYAH NUCLEAR PLANT
P. O. BOX 2000 DAISY, TENNESSEE
UNIT 2 COMMERCIAL SERVICE DATE 06/01/82

SYS	SYSTM	EXAM AREA	REF #	COD CAT	TYP #	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
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31	CVC	CVCH00300030041	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0122		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030042	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0123		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030043	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0124		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030044	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0125		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030045	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0126		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030046	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0127		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030047	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0128		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030048	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0129		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030049	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0130		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030050	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0131		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030051	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0132		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030052	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0133		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030053	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0134		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030054	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0135		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030055	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0532		MSE	08/20/83	L-282	A
31	CVC	CVCH00300030056	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0533		MSE	08/21/83	L-LC	A
31	CVC	CVCH00300030057	3	BK2	RS	MSG0015	02	S	02.00	0.343	UT	NUT 01		R0534		MSE	08/21/83	L-LC	A
31	CVC	CVCH00300030071	3	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0136		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030072	3	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0137		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030073	3	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0138		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030074	3	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0139		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030075	3	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0140		JEF	07/27/83	L-RW	A
31	CVC	CVCH00300030076	3	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0141		JEF	07/27/83	L-RW	A

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SYS	SYSTM	EXAM AREA	R S	COD CAT	T Y P	DRAWING	S H #	M A T	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	I N P	DATE	COMMENTS	R E S
01	CVC	CVCH0000003077	2	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0142		JEF	07/27/83	L-RW	A
01	CVC	CVC40C0003073	2	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0143		JEF	07/27/83	L-RW	A
01	CVC	CVC40C0003079	2	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0144		JEF	07/27/83	L-RW	A
01	CVC	CVC40C0003080	2	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0145		JEF	07/27/83	L-RW	A
01	CVC	CVCH0C0003081	2	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0146		JEF	07/27/83	L-RW	A
01	CVC	CVCH0C0003082	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0147		JEF	07/27/83	L-RW	A
01	CVC	CVCH0000003083	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0148		JEF	07/27/83	L-RW	A
01	CVC	CVC40C0003084	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0149		JEF	07/27/83	L-RW	A
01	CVC	CVCH0C0003085	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0150		JEF	07/27/83	L-RW	A
01	CVC	CVC40C0003086	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0151		JEF	07/27/83	L-RW	A
01	CVC	CVCH0C0003087	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0152		JEF	07/27/83	L-RW	A
01	CVC	CVCH0000003088	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0355		MSE	08/05/83	L-3AR	A
01	CVC	CVCH0000003089	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0535		MSE	08/21/83	L-LC	A
01	CVC	CVCH0C0003090	2	BK2	RS	MSG0015	04	S	02.00	0.343	UT	NUT 01		R0536		MSE	08/21/83	L-LC	A
01	CVC	CVC40C0003101	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0217		JEF	07/31/83	L-4AR	A
01	CVC	CVC40C0003102	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0153		JEF	07/27/83	L-4AR	A
01	CVC	CVCH0000003103	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0154		JEF	07/27/83	L-RW	A
01	CVC	CVC40C0003104	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0155		JEF	07/27/83	L-RW	A
01	CVC	CVCH0000003105	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0156		JEF	07/27/83	L-RW	A
01	CVC	CVCH0C0003106	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0219		JEF	07/31/83	L-4AR	A
01	CVC	CVCH0C0003107	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0537		MSE	08/21/83	L-LC	A
01	CVC	CVCH0C0003108	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0538		MSE	08/21/83	L-LC	A
01	CVC	CVCH0C0003119	2	BK2	RS	MSG0015	05	S	02.00	0.343	UT	NUT 01		R0220		JEF	07/31/83	L-4AR	A
01	CVC	CVCH0C0003120	2	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0221		JEF	07/31/83	L-4AR	A

CYC	SYSTM	EXAM AREA	REF #	COD CAT	TYP	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	CVC	CVCH000000121	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0157		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000122	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R015R		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000123	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0159		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000124	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R016C		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000125	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0161		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000126	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0179		JEF	07/27/83	L-RW NOI#SQ0016	R
01	CVC	CVCH000000126	1	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0529		GKL	09/15/83	L-RW	A
01	CVC	CVCH000000127	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0162		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000128	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0163		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000129	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0164		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000130	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0165		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000131	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0178		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000132	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0166		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000133	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0167		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000134	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R015P		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000135	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0169		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000136	0	BK2	RS	MSG0015	03	S	02.00	0.343	UT	NUT 01		R0170		JEF	07/27/83	L-RW	A
01	CVC	CVCH000000291	0	BK2	RS	MSG0012	C1	S	03.00	0.438	UT	NUT 01		R0535		MSE	08/20/83	L-2AR	A
01	CVC	CVCH000000292	0	BK2	RS	MSG0012	C1	S	03.00	0.438	UT	NUT 01		R0536		MSE	08/20/83	L-2AR	R
01	CVC	CVCH000000293	0	BK2	RS	MSG0012	C1	S	03.00	0.438	UT	NUT 01		R1099		RMB	09/13/83	L-LC	A
01	CVC	CVCH000000294	0	BK2	RS	MSG0012	C1	S	03.00	0.438	UT	NUT 01		R1100		RMB	09/13/83	L-LC	A
01	CVC	CVCH000000295	0	BK2	RS	MSG0012	C1	S	03.00	0.438	UT	NUT 01		R0539		MSE	08/21/83	L-LC	A
01	CVC	CVCH000000296	0	BK2	RS	MSG0012	C1	S	03.00	0.438	UT	NUT 01		R0540		MSE	08/21/83	L-LC	A
01	CVC	CVCH000000297	0	BK2	RS	MSG0012	C1	S	03.00	0.438	UT	NUT 01		R0541		MSE	08/21/83	L-LC	A

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SYST	EXAM AREA	REF #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01 CVC	CVCH0000003093	0	BK2	RS	MSG0012	01	S	03.00	0.438	UT	NVT 01		R0342		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003094	0	BK2	RS	MSG0012	01	S	03.00	0.438	UT	NVT 01		R0343		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003300	0	BK2	RS	MSG0012	01	S	03.00	0.438	UT	NVT 01		R0344		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003301	0	BK2	RS	MSG0012	01	S	03.00	0.438	UT	NVT 01		R0345		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003302	0	BK2	RS	MSG0012	01	S	03.00	0.438	UT	NVT 01		R0346		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003303	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0347		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003327	0	BK2	RS	MSG0012	02	S	02.00	0.343	UT	NVT 01		R0327		MSE	08/20/83	L-2AR	A
01 CVC	CVCH0000003342	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0348		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003343	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0349		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003744	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0350		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003345	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0351		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003346	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0352		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003347	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0353		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003348	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0354		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003349	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0355		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003350	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0744		RM3	08/29/83	L-LC	A
01 CVC	CVCH0000003361	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0356		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003362	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0357		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003363	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0358		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000003364	0	BK2	RS	MSG0012	02	S	03.00	0.438	UT	NVT 01		R0359		MSE	08/21/83	L-LC	A
01 CVC	CVCH0000001001	0	BJ	CW	ISI0009	01	S	03.00	0.438	PT	NPT 04		R0147		RM3	09/01/83	L-LC	A
01 CVC	CVCD0000001041	0	BJ	SW	MSG0008	01	S	02.00	0.343	PT	NPT 04		R0178		MSE	08/15/83	L-RW	A
01 CVC	CVCD0000001045	0	BJ	SW	MSG0008	01	S	02.00	0.343	PT	NPT 04		R0077		LEW	07/25/83	L-RW NDI#SQ0007	R
01 CVC	CVCD0000001045	1	BJ	SW	MSG0008	01	S	02.00	0.343	PT	NPT 04		R0527		GKL	08/16/83	L-RW	A

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SYS	SYSTM	EXAM AREA	REQ CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	CVC	CVC0000001045	D	BJ	SW MSG0008	01	S	02.00	0.343	PT	NPT 04		R0579		MSE	08/19/83	L-1&2 #1&S	A
01	CVC	CVC0000001047A	D	BJ	SW MSG0008	01	S	02.00	0.343	PT	NPT 04		R0512		CGT	08/15/83	L-LC	A
01	CVC	CVC0000001047B	D	BJ	SW MSG0008	01	S	02.00	0.343	PT	NPT 04		R0511		CGT	08/15/83	L-LC	A
01	CVC	CVC0000001043	D	BJ	SW MSG0008	01	S	02.00	0.343	PT	NPT 04		R0536		CGT	08/17/83	L-LC #1&S	A
01	CVC	CVC0000001051	D	BJ	SW MSG0008	01	S	02.00	0.343	PT	NPT 04		R0515		GDF	08/15/83	L-LC	A
01	CVC	CVC0000001052	D	BJ	SW MSG0008	01	S	02.00	0.343	PT	NPT 04		R0537		CGT	08/17/83	L-LC #1&S	A
01	CVC	CVC0000001054	D	BJ	SW MSG0008	01	S	02.00	0.343	PT	NPT 04		R0513		GDF	08/15/83	L-LC	A
01	CVC	CVC0000001055	D	BJ	SW MSG0008	01	S	02.00	0.343	PT	NPT 04		R0538		CGT	08/17/83	L-LC #1&S	A
01	CVC	CVC0000001057	D	BJ	SW MSG0008	01	S	01.50	0.331	PT	NPT 04		R0514		GDF	08/15/83	L-LC	A
01	CVC	CVC0000001057	D	BJ	SW MSG0008	02	S	02.00	0.343	PT	NPT 04		R0539		MSE	08/17/83	L-RW #1&S	A
01	CVC	CVC0000001067	D	BJ	SW MSG0008	02	S	02.00	0.343	PT	NPT 04		R0576		MSE	08/22/83	L-RW #1&S	A
01	CVC	CVC0000001070	D	BJ	SW MSG0008	02	S	02.00	0.343	PT	NPT 04		R0540		MSE	08/17/83	L-RW #1&S	A
01	CVC	CVC0000001077	D	BJ	SW MSG0008	02	S	02.00	0.343	PT	NPT 04		R0592		GDF	08/19/83	L-LC	A
01	CVC	CVC0000001078	D	BJ	SW MSG0008	02	S	02.00	0.343	PT	NPT 04		R0593		WJD	08/19/83	L-LC #1&S	A
01	CVC	CVC0000001086	D	BJ	SW MSG0008	02	S	02.00	0.343	PT	NPT 04		R0594		GDF	08/19/83	L-LC	A
01	CVC	CVC0000001087	D	BJ	SW MSG0008	02	S	02.00	0.343	PT	NPT 04		R0595		GDF	08/19/83	L-LC #1&S	A
01	CVC	CVC0000001090	D	BJ	SW MSG0008	02	S	01.50	0.331	PT	NPT 04		R0596		GDF	08/19/83	L-LC	A
01	CVC	CVC0000001091	D	BJ	SW MSG0008	02	S	01.50	0.331	PT	NPT 04		R0597		GDF	08/19/83	L-LC #1&S	A
01	CVC	CVC0000001145	D	BJ	SW MSG0008	04	S	02.00	0.343	PT	NPT 04		R0541		MSE	08/17/83	L-RW #1&S	A
01	CVC	CVC0000001147	D	BJ	SW MSG0008	04	S	02.00	0.343	PT	NPT 04		R0542		MSE	08/17/83	L-RW #1&S	A
01	CVC	CVC0000001143	D	BJ	SW MSG0008	04	S	02.00	0.343	PT	NPT 04		R0070		LSW	07/26/83	L-RW	A
01	CVC	CVC0000001153	D	BJ	SW MSG0008	04	S	02.00	0.343	PT	NPT 04		R0598		CGT	08/19/83	L-LC #1&S	A
01	CVC	CVC0000001156	D	BJ	SW MSG0008	04	S	02.00	0.343	PT	NPT 04		R0599		CGT	08/19/83	L-LC	A
01	CVC	CVC0000001153	D	BJ	SW MSG0008	04	S	02.00	0.343	PT	NPT 04		R0600		CGT	08/19/83	L-LC	A

CAT	SYSTM	EXAM AREA	REQ #	CODE CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	CVC	CVC3000001164	0	BJ	SW	MS63008	04	S	02.00	0.343	PT	NPT 04		R0501			CGT 08/13/83	L-LC #14S	A
01	CVC	CVC3000001167	0	BJ	SW	MS63008	04	S	02.00	0.343	PT	NPT 04		R0502			CGT 08/13/83	L-LC	A
01	CVC	CVC3000001163	0	BJ	SW	MS63008	04	S	02.00	0.343	PT	NPT 04		R0503			CGT 08/13/83	L-LC #14S	A
01	CVC	CVC3000001233A	0	BJ	SW	MS63008	05	S	02.00	0.343	PT	NPT 04		R0543			GDF 08/17/83	L-LC #14S	A
01	CVC	CVC3000001233	0	BJ	SW	MS63008	05	S	02.00	0.343	PT	NPT 04		R0425			GDF 08/13/83	L-LC	A
01	CVC	CVC3000001245	0	BJ	SW	MS63008	05	S	02.00	0.343	PT	NPT 04		R0424			GDF 08/13/83	L-LC	A
01	CVC	CVC3000001245A	0	BJ	SW	MS63008	05	S	02.00	0.343	PT	NPT 04		R0544			GDF 08/17/83	L-LC #14S	A
01	CVC	CVC3000001243	0	BJ	SW	MS63008	05	S	02.00	0.343	PT	NPT 04		R0377			MSE 09/22/83	L-4AR #14S	A
01	CVC	CVC3000001249	0	BJ	SW	MS63008	05	S	02.00	0.343	PT	NPT 04		R0349			JEF 09/02/83	L-4AR	A
01	CVC	CVC3000001252	0	BJ	SW	MS63008	05	S	02.00	0.343	PT	NPT 04		R0545			MSE 08/17/83	L-RW #14S	A
01	CVC	CVC3000001233	0	BJ	SW	ISI0009	05	S	02.00	0.343	PT	NPT 04		R0378			LEW 07/25/83	L-RW NOI#SQ00008	R
01	CVC	CVC3000001253	1	BJ	SW	ISI0009	05	S	02.00	0.343	PT	NPT 04		R0529			GKL 09/15/83	L-RW	A
01	CVC	CVC3000001256	0	BJ	SW	MS63008	05	S	02.00	0.343	PT	NPT 04		R0546			MSE 08/17/83	L-RW #14S	A
01	CVC	CVC3000105780	0	BG2	FB	MS63008	01	S	01.50	0.281	UT	NUT 01		R0552			RMB 09/15/83	L-LC NOI#SQ00045	R
01	CVC	CVC3000105780	1	BG2	FB	MS63008	01	S	01.50	0.281	UT	NUT 01		R1109			RMB 09/13/83	L-LC NOI#SQ00080 USE-AS-IS USQD883-26	A
01	CVC	CVC3000123580	0	BG2	FB	MS63008	05	S	01.50	0.281	UT	NUT 01		R0726			RMB 09/25/83	L-LC #14S	A
01	CVC	RCH3000003017	0	BK2	RS	MS63012	02	S	02.00	0.343	UT	NUT 01		R0757			RMB 09/27/83	L-LC	A
01	CVC	RCH3000003018	0	BK2	RS	MS63012	02	S	02.00	0.343	UT	NUT 01		R0768			RMB 09/27/83	L-LC	A
01	CVC	RCH3000003019	0	BK2	RS	MS63012	02	S	02.00	0.343	UT	NUT 01		R0769			RMB 09/27/83	L-LC	A
01	CVC	RCH3000003020	0	BK2	RS	MS63012	02	S	02.00	0.343	UT	NUT 01		R0770			RMB 09/27/83	L-LC	A
01	CVC	RCH3000003021	0	BK2	RS	MS63012	02	S	02.00	0.343	UT	NUT 01		R0771			RMB 09/27/83	L-LC	A
01	CVC	RCH3000003022	0	BK2	RS	MS63012	02	S	02.00	0.343	UT	NUT 01		R0772			RMB 09/27/83	L-LC	A
01	CVC	RCH3000003038	0	BK2	RS	MS63012	02	S	02.00	0.343	UT	NUT 01		R0505			MSE 09/23/83	L-LC	A
01	CVC	G2-3000003659	0	BG2	WB	ISI3009	02	S	02.00	0.438	UT	NUT 01		R0519			RMB 09/15/83	L-LC	A

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CYC	SYSTM	EXAM AREA	REQ #	CCD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	CAL REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	CVC	62-0000000660	0	B62	WB	ISI0009	02	S	03.00	0.438	UT	NVT 01		R0553		RMB	09/15/83	L-LC NDI#SQ0046 USE-AS-IS USQD#83-27	A
01	ELHX	ELHX000000001	0	CA	HW	ISI0067	01	S	09.50	0.750	PT	NPT 04		R0667		WJD	09/21/83	L-RBAR PT TO SUPPLEMENT UT DUE TO SCAN LIMITATION	A
											UT45	SQUT27 SQ 07		R0554	C0024	LBM	08/17/83	L-RBAR LMT-SCAN 4 NO SCAN 5 SEE R-0567 FOR PT	A
01	FD	FDF3000000007	0	CF	CW	CHM2403	01	C	16.00	0.843	RT	NRT 01		R1079		NRB	09/15/83	L-WVR IE8#79-13 WELDBASE METAL	A
01	FD	FDF0003000010	0	CF	CW	CHM2403	C1	C	16.00	0.843	RT	NRT 01		R1087		NRB	09/15/83	L-LC IE8#79-13 WELDBASE METAL	A
01	FD	FDF0003000011	0	CF	CW	CHM2403	01	C	16.00	0.594	RT	NRT 01		R1085		NRB	09/15/83	L-LC IE8#79-13 WELDBASE METAL	A
											UT45	SQUT27 SQ 04	R1088	C0071		FSW	09/02/83	L-LC RT EVALUATION	A
01	FD	FDF3000000021	0	CF	CW	CHM2403	01	C	16.00	0.843	RT	NRT 01		R1090		NRB	09/15/83	L-LC IE8#79-13 WELDBASE METAL	A
											UT45	SQUT27 SQ 04	R1097	C0071		FSW	09/02/83	L-LC RT EVALUATION	A
01	FD	FDF3000000022	0	CF	CW	CHM2403	01	C	16.00	0.594	RT	NRT 01		R1098		NRB	09/15/83	L-LC IE8#79-13 WELDBASE METAL	A
											UT45	SQUT27 SQ 04	R1097	C0071		FSW	09/02/83	L-LC RT EVALUATION	A
01	FD	FDF3000000130	0	CF	CW	CHM2403	02	C	16.00	0.843	RT	NRT 01		R1092		NRB	09/15/83	L-LC IE8#79-13 WELDBASE METAL	A
											UT45	SQUT27 SQ 04	R1096	C0070		LBM	09/07/83	L-LC RT EVALUATION	A
01	FD	FDF3000000131	0	CF	CW	CHM2403	02	C	16.00	0.594	RT	NRT 01		R1094		NRB	09/15/83	L-LC IE8#79-13 WELDBASE METAL	A
											UT45	SQUT27 SQ 04	R1095	C0070		LBM	09/07/83	L-LC RT EVALUATION	A
01	FD	FDF3000000140	0	CF	CW	CHM2403	02	C	16.00	0.843	RT	NRT 01		R1092		NRB	09/12/83	L-LC IE8#79-13 WELDBASE METAL	A
01	FD	FDF3000000141	0	CF	CW	CHM2403	02	C	16.00	0.594	RT	NRT 01		R1094		NRB	09/15/83	L-LC IE8#79-13 WELDBASE METAL	A
01	FD	FDF3000010/11	0	CF	BM	CHM2403	01	C	16.00	0.843	RT	NRT 01		R1086		NRB	09/02/83	L-LC IE8#79-13 SPOOL PIECE	A
01	FD	FDF3000021/22	0	CF	BM	CHM2403	C1	C	16.00	0.843	RT	NRT 01		R1089		NRB	09/15/83	L-LC IE8#79-13 WELDBASE METAL	A
											UT45	SQUT27 SQ 04	R1097	C0071		FSW	09/02/83	L-LC RT EVALUATION	A
01	FD	FDF3000130/131	0	CF	BM	CHM2403	02	C	16.00	0.843	RT	NRT 01		R1093		NRB	09/15/83	L-LC IE8#79-13 SPOOL PIECE	A

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SYST	SYSTM	EXAM AREA	REQ CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	FD	FDF000140/141	D	CF	BM	CRM2403	C2	C	16.00	0.843	RT	NRT 01		R1093		NRB 09/12/83	L-LC IE0879-15 SPOOL PIECE	A
01	FD	FDH0000003200	D	CE	RS	MSG0015	C1	C	16.00	0.843	UT	NUT 01		R0440		JCG 08/11/83	L-LC	A
01	FD	FDH0000003201	D	CE	RS	MSG0015	C1	C	16.00	0.843	UT	NUT 01		R0441		JCG 08/11/83	L-LC	A
01	FD	FDH0000003202	D	CE	WW	MSG0016	C1	C	16.00	0.843	UT	NUT 01		R0442		JCG 08/11/83	L-LC	A
01	FD	FDH0000003203	D	CE	MS	MSG0015	C1	C	16.00	0.843	UT	NUT 01		R0443		JCG 08/11/83	L-LC MS AND VS SUPPORT	A
01	FD	FDH0000003204	D	CE	MS	MSG0015	C1	C	16.00	0.843	UT	NUT 01		R0066		LBM 07/25/83	L-WVR	A
01	FD	FDH0000003205	D	CE	RS	MSG0016	C1	C	16.00	0.843	UT	NUT 01		R0064		LBM 07/26/83	L-WVR	A
01	FD	FDH0000003206	D	CE	MS	MSG0016	C1	C	16.00	0.843	UT	NUT 01		R0065		LBM 07/25/83	L-WVR	A
01	FD	FDH0000003207	D	CE	RS	MSG0015	C1	C	16.00	0.839	UT	NUT 01		R0063		LBM 07/25/83	L-WVR	A
01	FD	FDH0000003208	D	CE	RS	MSG0015	C1	C	16.00	0.838	UT	NUT 01		R0062		LBM 07/25/83	L-WVR	A
01	FD	FDH0000003240	D	CE	RS	MSG0015	C2	C	16.00	0.843	UT	NUT 01		R0457		JCG 08/12/83	L-LC NDI#SQ0057	R
01	FD	FDH0000003240	1	CE	RS	MSG0015	C2	C	16.00	0.843	UT	NUT 01		R0357		RMB 06/23/83	L-LC	A
01	FD	FDH0000003241	D	CE	RS	MSG0015	C2	C	16.00	0.843	UT	NUT 01		R0468		JCG 08/12/83	L-LC	A
01	FD	FDH0000003242	D	CE	WS	MSG0015	C2	C	16.00	0.843	UT	NUT 01		R0459		JCG 08/12/83	L-LC	A
01	FD	FDH0000003243	D	CE	MS	MSG0016	C2	C	16.00	0.843	UT	NUT 01		R0470		JCG 08/12/83	L-LC MSEVS SUPPORT	A
01	FD	FDH0000003244	D	CE	MS	MSG0015	C2	C	16.00	0.843	UT	NUT 01		R0355		LEW 07/25/83	L-EVR	A
01	FD	FDH0000003245	D	CC	IA	MSG0015	C2	C	16.00	0.843	MT	NMT 02		R0705		JCG 09/25/83	L-EVR	A
01	FD	FDH0000003245	D	CE	RS	MSG0015	C2	C	16.00	0.843	UT	NUT 01		R0353		LEW 07/25/83	L-EVR NDI#SQ0006	R
01	FD	FDH0000003245	1	CE	RS	MSG0015	C2	C	16.00	0.843	UT	NUT 01		R0701		MSE 09/25/83	L-EVR	A
01	FD	FDH0000003246	D	CE	RS	MSG0015	C2	C	16.00	0.843	UT	NUT 01		R0359		LEW 07/25/83	L-EVR	A
01	FD	FDH0000003247	D	CE	RS	MSG0015	C2	C	16.00	0.838	UT	NUT 01		R0359		LEW 07/25/83	L-EVR	A
01	FD	FDH0000003281	D	CE	RS	MSG0016	C2	C	16.00	0.843	UT	NUT 01		R0463		JCG 08/12/83	L-LC	A
01	FD	FDH0000003282	D	CE	WS	MSG0016	C2	C	16.00	0.843	UT	NUT 01		R0464		JCG 08/12/83	L-LC	A
01	FD	FDH0000003285	D	CE	MS	MSG0016	C2	C	16.00	0.843	UT	NUT 01		R0466		JCG 08/12/83	L-LC MSEVS SUPPORT	A

CYC	SYSTM	EXAM AREA	REQ	CUD	CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	FD	FDH3000003284	0	CE		RS	MSG0016	02	C	16.00	0.843	UT	NUT 01		R0465		JCS	08/12/83	L-LC	A
01	FD	FDH3000003285	0	CE		RS	MSG0016	02	C	16.00	0.843	UT	NUT 01		R0433		JCS	08/11/83	L-EVR	A
01	FD	FDH3000003286	0	CE		RS	MSG0016	02	C	16.00	0.843	UT	NUT 01		R0414		JCS	08/10/83	L-EVR	A
01	FD	FDH3000003287	0	CC		IA	MSG0016	02	C	16.00	0.938	MT	NMT 02		R0705		JCS	08/25/83	L-EVR	A
01	FD	FDH3000003287	0	CE		RS	MSG0016	02	C	16.00	0.938	UT	NUT 01		R0415		JCS	08/10/83	L-EVR	A
01	FD	FDH3000003288	0	CC		IA	MSG0016	02	C	16.00	0.938	MT	NMT 02		R0707		JCS	08/25/83	L-EVR	A
01	FD	FDH3000003288	0	CE		RS	MSG0016	02	C	16.00	0.938	UT	NUT 01		R0416		JCS	08/10/83	L-EVR	A
01	FD	FDH3000003320	0	CE		RS	MSG0016	01	C	16.00	0.843	UT	NUT 01		R0446		JCS	08/11/83	L-LC	A
01	FD	FDH3000003321	0	CE		RS	MSG0016	01	C	16.00	0.843	UT	NUT 01		R0447		JCS	08/11/83	L-LC	A
01	FD	FDH3000003322	0	CE		VS	MSG0016	01	C	16.00	0.843	UT	NUT 01		R0448		JCS	08/11/83	L-LC NOI#SQ0035	R
01	FD	FDH3000003322	1	CE		RS	MSG0016	01	C	16.00	0.843	UT	NUT 01		R0868		RMH	03/23/83	L-LC	A
01	FD	FDH3000003323	0	CE		MS	MSG0016	01	C	16.00	0.843	UT	NUT 01		R0449		JCS	08/11/83	L-LC VS E MS SUPPORT	A
01	FD	FDH3000003324	0	CE		RS	MSG0016	01	C	16.00	0.843	UT	NUT 01		R0361		LBH	07/25/83	L-WVR	A
01	FD	FDH3000003325	0	CE		RS	MSG0016	01	C	16.00	0.843	UT	NUT 01		R0360		LBH	07/25/83	L-WVR	A
01	FD	FDH3000003326	0	CE		RS	MSG0016	01	C	16.00	0.843	UT	NUT 01		R0359		LBH	07/25/83	L-WVR	A
01	FD	FDH3000003327	0	CE		RS	MSG0016	01	C	16.00	0.938	UT	NUT 01		R0358		LBH	07/25/83	L-WVR	A
01	FD	FDH3000003328	0	CE		RS	MSG0016	01	C	16.00	0.938	UT	NUT 01		R0357		LBH	07/25/83	L-WVR	A
01	FD	FDH3000003329	0	CE		RS	MSG0016	01	C	16.00	0.938	UT	NUT 01		R0356		LBH	07/25/83	L-WVR	A
01	FD	FDS4000003015A	0	CF		CW	CHM2403	01	C	16.00	0.843	UT45	SQUT27 SQ 04		R0390	C0011	JCS	08/09/83	L-WVR IE8#79-13 WELDBASE METAL	A
01	FD	FDS4000003015A	0	CF		CW	CHM2403	01	C	16.00	0.843	UT45	SQUT27 SQ 04		R0391	C0011	JCS	08/09/83	L-WVR IE8#79-13 WELDBASE METAL	A
01	FD	FDS4000003017A	0	CF		CW	CHM2403	02	C	16.00	0.843	MT	NMT 02		R0718		JCS	08/01/83	L-EVR SURFACE EXAM TO SUPPLEMENT UT45 EXAM	A
												UT45	SQUT27 SQ 04		P0734	C0045	JCS	08/25/83	L-EVR IE8#79-13 WELDBASE METAL	A
01	FD	FDS4000003025A	0	CF		CW	CHM2403	02	C	16.00	0.843	UT45	SQUT27 SQ 04		R0735	C0045	JCS	08/25/83	L-EVR IE8#79-13 WELDBASE	A

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SYS	SYSTM	EXAM AREA	REF	COD CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	FD	FDS3DC3D03009	D	CF	CW	CHM2403	01	C	16.00	0.343	RT	NRT 01		R1091		NRB	09/02/83	L-LC IE9879-13	A
01	FD	FDS3000003011	D	CF	CW	CHM2403	01	C	16.00	0.843	RT	NRT 01		R1001		TBS	09/04/83	L-WVR IEB#79-13 WELDEBASE METAL	A
											UT45	SQUT27	SQ 04	R1346	C0074	LBM	09/29/83	L-WVR IEB#79-13 BASEMETAL RT EVALUATION	A
01	FD	FDS3000C03021	D	CF	CW	CHM2403	02	C	16.00	0.343	RT	NRT 01		R1079		NRB	09/02/83	L-LC IEB#79-13 WELDEBASE METAL	A
01	FD	FDS3003003020	D	CF	CW	CHM2403	02	C	16.00	0.843	RT	NRT 01		R1090		NRB	09/02/83	L-LC IEB#79-13 WELDEBASE METAL	A
01	FD	FDS3003003103	D	CF	LW	CHM2403	01	C	16.00	0.938	MT	NMT 02		R0297		JCB	08/04/83	L-WVR	A
											UT45	SQUT27	SQ 18	R0411	C0012	JCB	08/03/83	L-WVR	A
01	LHX	LHXH000003001	D	CE	CS	ISI0068	01	S	16.00	0.375	UT	NUT 01		R0517		LBM	09/15/83	L-AB714	A
01	LHX	LHX3DC0003001	D	CE	HW	ISI0068	01	S	16.00	0.375	UT45	SQUT27	BNP17	R0526	C0020	LBM	08/15/83	L-AB714 LMT-SCANS 354; NO PT PERFORMED; REF	A
01	MS	MSF0003003010	D	CF	CW	ISI0015	01	C	32.00	1.590	MT	NMT 02		R0298		JCB	08/04/83	L-WVR	A
											UT45	SQUT27	SQ 05	R0357	C0017	JCB	08/03/83	L-WVR	A
01	MS	MSF3003003041	D	CF	CW	ISI0015	01	C	32.00	1.370	MT	NMT 02		R0299		JCB	08/04/83	L-WVR	A
											UT45	SQUT27	SQ 05	R0358	C0007	JCB	08/03/83	L-WVR	A
01	MS	MSH3003003300	D	CE	HS	MS60017	01	C	32.00	1.151	UT	NUT 01		R1127		MSE	09/14/83	L-LC	A
01	MS	MSH3000003301	D	CE	HS	MS60017	01	C	32.00	1.151	UT	NUT 01		R0482		JCB	08/12/83	L-LC NOI#SQ0041	R
01	MS	MSH3C00003301	1	CE	HS	MS60017	01	C	32.00	1.151	UT	NUT 01		R1128		MSE	09/14/83	L-LC	A
01	MS	MSH3003003302	D	CE	WS	MS60017	01	C	32.00	1.151	UT	NUT 01		R0444		JCB	08/11/83	L-LC	A
01	MS	MSH3003003303	D	CE	HS	MS60017	01	C	32.00	1.151	UT	NUT 01		R1201		LBM	09/23/83	L-LC	A
01	MS	MSH3003003304	D	CE	WS	MS60017	01	C	32.00	1.151	UT	NUT 02		R0484		JCB	08/12/83	L-LC	A
01	MS	MSH3003003305	D	CE	HS	MS60017	01	C	32.00	1.151	UT	NUT 01		R0445		JCB	08/11/83	L-LC	A
01	MS	MSH3003003305	D	CE	HS	MS60017	01	C	32.00	1.151	UT	NUT 01		R0085		RMB	07/25/83	L-WVR	A
01	MS	MSH3003003307	D	CE	WS	MS60017	01	C	32.00	1.151	UT	NUT 01		R0081		RMB	07/25/83	L-WVR	A
01	MS	MSH3003003308	D	CE	WS	MS60017	01	C	32.00	1.151	UT	NUT 01		R0082		RMB	07/25/83	L-WVR NOI#SQ0009	R
01	MS	MSH3003003308	1	CE	WS	MS60017	01	C	32.00	1.151	UT	NUT 01		R0589		MSE	08/25/83	L-WVR	A

ITEM	SYSTM	EXAM AREA	REQ'N	CODE CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	MS	MSH0000000309	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0399		RMB	07/25/83	L-WUR	A
01	MS	MSH0000000310	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0394		RMB	07/25/83	L-WUR NOI#SQ0011	R
01	MS	MSH0000000310	1	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R1329		LBM	09/23/83	L-WUR	A
01	MS	MSH0000000311	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0395		RMB	07/25/83	L-WUR NOI#SQ0012	R
01	MS	MSH0000000311	1	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R1350		RMB	09/09/83	L-WUR	A
01	MS	MSH0000000312	D	CE	MS	MSG0017	01	C	32.00	1.151	MT	NMT 02		R0393		JCG	08/10/83	L-WUR	A
01	MS	MSH0000000313	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0390		RMB	07/25/83	L-WUR	A
01	MS	MSH0000000313	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0379		RMB	07/25/83	L-WUR	A
01	MS	MSH0000000314	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0384		RMB	07/25/83	L-WUR	A
01	MS	MSH0000000315	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0397		RMB	07/25/83	L-WUR NOI#SQ0014	R
01	MS	MSH0000000315	1	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R1348		RMB	09/09/83	L-WUR	A
01	MS	MSH0000000316	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0398		RMB	07/25/83	L-WUR	A
01	MS	MSH0000000317	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0382		RMB	07/25/83	L-LC	A
01	MS	MSH0000000340	D	CE	MS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0472		JCG	08/12/83	L-LC	A
01	MS	MSH0000000341	D	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R1128		MSE	09/14/83	L-LC	A
01	MS	MSH0000000342	D	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0476		JCG	08/12/83	L-LC NOI#SQ0059	R
01	MS	MSH0000000342	1	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R1150		MSE	09/14/83	L-LC	A
01	MS	MSH0000000343	D	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0477		JCG	08/12/83	L-LC NOI#SQ0059	R
01	MS	MSH0000000343	1	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R1210		LBM	09/25/83	L-LC	A
01	MS	MSH0000000344	D	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0479		JCG	08/12/83	L-LC	A
01	MS	MSH0000000345	D	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R1142		BGR	09/15/83	L-LC	A
01	MS	MSH0000000345	D	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0408		JCG	08/10/83	L-EVR	A
01	MS	MSH0000000347	D	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0034		LEA	07/25/83	L-EVR	A
01	MS	MSH0000000343	D	CE	MS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0043		LEA	07/25/83	L-EVR	A

SYS	SYSTM	EXAM AREA	REF #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	MS	MSH0000003349	0	CC	IA	MS60017	02	C	32.00	1.151	MT	NMT 02		R0709		JCG	09/25/83 L-EVR		A
01	MS	MSH0000003347	0	CE	RS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0399		JCG	08/10/83 L-EVR		A
01	MS	MSH0000003350	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0040		LEW	07/25/83 L-EVR		A
01	MS	MSH0000003351	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0400		JCG	08/10/83 L-EVR		A
01	MS	MSH0000003352	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0044		LEW	07/25/83 L-EVR		A
01	MS	MSH0000003353	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0434		JCG	08/11/83 L-EVR	NCI#SQ0034	R
01	MS	MSH0000003355	1	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R1144		MSE	09/15/83 L-EVR		A
01	MS	MSH0000003354	0	CE	RS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0417		JCG	08/10/83 L-EVR		A
01	MS	MSH0000003355	0	CE	RS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0419		JCG	08/10/83 L-EVR		A
01	MS	MSH0000003360	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R1131		MSE	09/14/83 L-LC		A
01	MS	MSH0000003361	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0471		JCG	08/12/83 L-LC		A
01	MS	MSH0000003362	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0473		JCG	08/12/83 L-LC		A
01	MS	MSH0000003363	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R1132		MSE	09/14/83 L-LC		A
01	MS	MSH0000003364	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0474		JCG	08/12/83 L-LC		A
01	MS	MSH0000003365	0	CE	RS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0475		JCG	08/12/83 L-LC		A
01	MS	MSH0000003366	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0435		JCG	08/11/83 L-EVR		A
01	MS	MSH0000003367	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0042		LEW	07/25/83 L-EVR		A
01	MS	MSH0000003368	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0036		LEW	07/25/83 L-EVR		A
01	MS	MSH0000003369	0	CC	IA	MS60017	02	C	32.00	1.151	MT	NMT 02		R0709		JCG	09/25/83 L-EVR		A
01	MS	MSH0000003389	0	CE	RS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0419		JCG	08/10/83 L-EVR		A
01	MS	MSH0000003390	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0033		LEW	07/25/83 L-EVR	NCI#SQ0005	R
01	MS	MSH0000003390	1	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0700		MSE	08/25/83 L-EVR		A
01	MS	MSH0000003391	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0041		LEW	07/25/83 L-EVR		A
01	MS	MSH0000003392	0	CE	MS	MS60017	02	C	32.00	1.151	VT	NVT 01		R0037		LEW	07/25/83 L-EVR		A

ISI CLASS	SYSTM	EXAM AREA	REQ #	CODE CAT	ITEM TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	SCRPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	MS	MSH0000002893	0	CE	RS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0436		JCG	08/11/83	L-EVR	A
01	MS	MSH0000000394	0	CE	RS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0420		JCG	08/10/83	L-EVR	A
01	MS	MSH0000000395	0	CE	RS	MSG0017	02	C	32.00	1.151	UT	NUT 01		R0421		JCG	08/10/83	L-EVR	A
01	MS	MSH0000000420	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0123		RMB	08/23/83	L-LC	A
01	MS	MSH0000000421	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0421		JCG	08/12/83	L-LC NOI#SQ0040	R
01	MS	MSH0000000421	1	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R1133		MSE	08/14/83	L-LC	A
01	MS	MSH0000000422	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0440		JCG	08/12/83	L-LC	A
01	MS	MSH0000000423	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0493		JCG	08/12/83	L-LC NOI#SQ0042	R
01	MS	MSH0000000423	1	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R1134		MSE	08/14/83	L-LC	A
01	MS	MSH0000000424	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0450		JCG	08/11/83	L-LC	A
01	MS	MSH0000000425	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0451		JCG	08/11/83	L-LC	A
01	MS	MSH0000000426	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0452		JCG	08/11/83	L-LC	A
01	MS	MSH0000000427	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0479		JCG	08/12/83	L-WVR	A
01	MS	MSH0000000428	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0090		LBH	07/27/83	L-WVR	A
01	MS	MSH0000000429	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0093		LBH	07/27/83	L-WVR NOI#SQ0010	R
01	MS	MSH0000000429	1	CE	RS	MSG0003	01	C	32.00	1.151	UT	NUT 01		R1302		LBH	08/23/83	L-WVR	A
01	MS	MSH0000000430	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0091		LBH	07/27/83	L-WVR	A
01	MS	MSH0000000431	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0098		RMB	07/26/83	L-WVR NOI#SQ0015	R
01	MS	MSH0000000431	1	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R1303		LBH	08/23/83	L-WVR	A
01	MS	MSH0000000432	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0096		RMB	07/26/83	L-WVR	A
01	MS	MSH0000000433	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0095		RMB	07/26/83	L-WVR NOI#SQ0013	R
01	MS	MSH0000000433	1	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R1049		RMB	08/09/83	L-WVR	A
01	MS	MSH0000000434	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0089		RMB	07/26/83	L-WVR	A
01	MS	MSH0000000435	0	CE	RS	MSG0017	01	C	32.00	1.151	UT	NUT 01		R0097		RMB	07/26/83	L-WVR	A

C Y C	SYSTM	EXAM AREA	R E C A	C O D E	T Y P	DRAWING	S H	M A T	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	I N S P	DATE	COMMENTS	R E S
01	PRZ	HTRPEN#003001	0	BE	WP	MS03003	01	C	00.00	0.000	VT	NVT 04		R1247		BGF	10/03/83	L-LC VT-2	A
01	PRZ	HTRPEN#003002	0	BE	WP	MS03003	01	C	00.00	0.000	VT	NVT 04		R1247		BGF	10/03/83	L-LC VT-2	A
01	PRZ	HTRPEN#003003	0	BE	WP	MS03003	01	C	00.00	0.000	VT	NVT 04		R1247		BGF	10/03/83	L-LC VT-2	A
01	PRZ	HTRPEN#003004	0	BE	WP	MS03003	01	C	00.00	0.000	VT	NVT 04		R1247		BGF	10/03/83	L-LC VT-2	A
01	PRZ	HTRPEN#003005	0	BE	WP	MS03003	01	C	00.00	0.000	VT	NVT 04		R1247		BGF	10/03/83	L-LC VT-2	A
01	PRZ	HTRPEN#003006	0	BE	WP	MS03003	01	C	00.00	0.000	VT	NVT 04		R1247		BGF	10/03/83	L-LC VT-2	A
01	PRZ	MWY-BCLTG	0	BG2	MB	MS03003	01	C	00.00	1.000	VT	NVT 01		R0435		GKL	09/12/83	L-LC #1 THROUGH #16 BOLT	A
01	PRZ	RCW000003015	0	BD	NW	CHM2363	01	C	06.00	3.000	UT 0	NUT 19	BNP79	R0163	C0000	FSW	08/03/83	L-LC	A
											UT45	NUT 19	BNP79	R0162	C0009	FSW	08/03/83	L-LC LMT- NO SCAN 4 DUE TO NOZZEL CONFIGURATION	A
01	PRZ	RCW000003015	0	BD	IR	CHM2353	01	C	06.00	.000	UT50	NUT 19	BNP79	R0412	C0013	FSW	08/03/83	L-LC	A
01	PRZ	RCW000003015	0	BD	NW	CHM2363	01	C	06.00	3.000	UT50	NUT 19	BNP79	R0413	C0014	FSW	08/03/83	L-LC LMT- NO SCAN 4 DUE TO NOZZEL CONFIGURATION	A
01	PRZ	RCW000003021	0	BD	NW	CHM2363	01	C	14.00	3.375	UT 0	NUT 19	SQ 41	R0210	C0062	FSW	08/31/83	L-LC LMT- BEST EFFORT DUE TO HEATER PENETRATIONS	A
											UT45	NUT 19	SQ 41	R0212	C0060	FSW	08/31/83	L-LC LMT-SCAN4;NO SCAN5; HEATER PENETRATIONS	A
01	PRZ	RCW000003021	0	BD	IR	CHM2363	01	C	14.00	3.375	UT50	NUT 02	SQ 41	R0214	C0064	JCG	08/01/83	L-LC LMT-BEST EFFORT DUE TO HEATER PENETRATIONS	A
01	PRZ	RCW000003021	0	BD	NW	CHM2363	01	C	14.00	3.375	UT50	NUT 19	SQ 41	R0213	C0063	JCG	08/01/83	L-LC LMT-SCAN4;NO SCAN5; HEATER PENETRATIONS	A
01	PRZ	RCW000003033	0	BH	IA	CHM2362	01	C	00.00	0.000	MT	NMT 02		R0462		RMB	08/12/83	L-LC SUPPORT SKIRT WELD 7 FT STARTING @ 0	A
01	PRZ	RCW000003455	0	BF	SE	CHM2363	01	C	06.00	1.188	PT	NPT 04		R0257		RMB	08/03/83	L-LC	A
											UT45	SQUT27	SQ 29	R0392	C0010	FSW	08/03/83	L-LC LMT-SCAN 3; NO SCAN 4 SEE R0257 FOR PT EXAM	A
01	PRZ	RCW000003755	0	BF	SE	CHM2363	01	C	14.00	1.406	PT	NPT 04		R0870		MSE	08/31/83	L-LC	A
											UT45	SQUT27	SQ 10	R0769	C0058	JCG	08/31/83	L-LC LMT-SCAN 3; NO SCAN 4 SEE R0870 FOR PT EXAM	A
01	PRZ	WP0000003001	0	BB	NW	CHM2363	01	C	00.00	0.000	UT 0	NUT 19	SQ 41	R0500	C0017	FSW	08/15/83	L-LC 12 FT STARTING @ 0	A
											UT45	NUT 19	SQ 41	R0502	C0018	LBM	08/12/83	L-LC 12 FT STARTING @ 0; LMT- SCANS 3E4	A

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CAT	SYSTM	EXAM AREA	SEC #	COD CAT	ITEM #	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	IMP	DATE	COMMENTS	RES
01	PRZ	WP0000000C031	0	BB	4W	CHM2363	01	C	00.00	3.280	UT30	NUT 19	SQ 41	R0504	C0019	FSW	08/12/83	L-LC 12 FT STARTING @ 0; LMT- SCANS 3E4	A
01	PRZ	WP0000000C005	0	BB	3H	CHM2363	01	C	00.00	3.280	UT 0	NUT 19	SQ 41	R0501	C0017	FSW	08/15/83	L-LC 1FT	A
											UT45	NUT 19	SQ 41	R0503	C0018	LBM	08/12/83	L-LC 1FT	A
											UT30	NUT 19	SQ 41	R0505	C0019	FSW	08/12/83	L-LC 1FT	A
01	RC	RCF0000000035	0	BJ	1W	ISI0013	01	S	04.00	0.438	PT	NPT 04		R0255		RMB	08/02/83	L-LC	A
											UT45	SQUT27	SQ 13	R0579	C0030	FSW	08/22/83	L-LC	A
01	RC	RCF0000000024	0	BJ	2W	ISI0013	03	S	06.00	0.718	PT	NPT 04		R0256		RMB	08/02/83	L-LC	A
											UT45	SQUT27	SQ 01	R0530	C0002	FSW	08/05/83	L-LC	A
01	RC	RCF000000C025A	0	BJ	2W	ISI0013	03	S	03.00	0.438	PT	NPT 04		R1110		MSE	09/13/83	L-LC BASELINE EXAM	A
01	RC	RCF0000000025B	0	BJ	2W	ISI0013	03	S	03.00	0.438	PT	NPT 04		R1111		MSE	09/13/83	L-LC BASELINE EXAM	A
01	RC	RCF000000C025C	0	BJ	2W	ISI0013	03	S	03.00	0.438	PT	NPT 04		R1112		MSE	09/13/83	L-LC BASELINE EXAM	A
01	RC	RCF0000000026	0	BJ	2W	ISI0013	03	S	06.00	0.718	PT	NPT 04		R0258		JCG	08/02/83	L-LC	A
											UT45	SQUT27	SQ 01	R0531	C0003	FSW	08/05/83	L-LC	A
01	RC	RCF0000000042	0	BJ	2W	ISI0013	03	S	06.00	0.718	PT	NPT 04		R0259		JCG	08/02/83	L-LC	A
											UT45	SQUT27	SQ 01	R0532	C0003	FSW	08/05/83	L-LC	A
01	RC	RCF0000000045	0	BJ	2W	ISI0013	03	S	06.00	0.718	PT	NPT 04		R0260		RMB	08/02/83	L-LC	A
											UT45	SQUT27	SQ 01	R0533	C0003	FSW	08/05/83	L-LC	A
01	RC	RCF0000000060	0	BJ	2W	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0277		TLS	08/03/83	L-LC	A
01	RC	RCF0000000061	0	BJ	2W	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0554		GDF	08/09/83	L-LC	A
01	RC	RCF0000000062	0	BJ	2W	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0278		TLS	08/03/83	L-LC	A
01	RC	RCF000000C27BC	0	BG2	FB	ISI0013	03	S	03.00	0.438	VT	NVT 01		R1345		BGF	10/02/83	L-LC VALVE INLET BOLTING BASELINE EXAM	A
01	RC	RCF000000C19C	0	BG2	FB	ISI0013	03	S	03.00	0.438	VT	NVT 01		R1344		BJM	10/05/83	L-LC VALVE INLET BOLTING BASELINE EXAM	A
01	RC	RCH0000000011	0	BK2	MS	MS0013	11		06.00	0.718	VT	NVT 01		R1003		RMB	08/05/83	L-LC	A
01	RC	RCH0000000012	0	BK2	RS	MS0013	11	S	06.00	0.719	VT	NVT 01		R1004		RMB	08/05/83	L-LC	A
01	RC	RCH0000000013	0	BK2	RS	MS0013	11	S	06.00	0.718	VT	NVT 01		R1005		RMB	08/05/83	L-LC	A
01	RC	RCH0000000014	0	BK2	RS	MS0013	11	S	06.00	0.718	VT	NVT 01		R1006		RMB	08/05/83	L-LC	A

CY C	SYSTM	EXAM AREA	RE #	COD CAT	TY P	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RC	RCH0000000015	0	BK1	IA	MSG0013	11	S	06.00	0.718	PT	NPT 04		R0304		WJD	03/20/83	L-LC	A
01	RC	RCH0000000015	0	BK2	RS	MSG0013	11	S	06.00	0.718	UT	NUT 01		R1007		RMB	09/05/83	L-LC	A
01	RC	RCH0000000016	0	BK2	RS	MSG0013	11	S	06.00	0.718	UT	NUT 01		R1008		RMB	09/05/83	L-LC	A
01	RC	RCH0000000023	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1009		RMB	09/05/83	L-LC	A
01	RC	RCH0000000024	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1010		RMB	09/05/83	L-LC	A
01	RC	RCH0000000025	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1011		RMB	09/05/83	L-LC	A
01	RC	RCH0000000026	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1012		RMB	09/05/83	L-LC	A
01	RC	RCH0000000027	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1013		RMB	09/05/83	L-LC	A
01	RC	RCH0000000028	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1014		RMB	09/05/83	L-LC	A
01	RC	RCH0000000029	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1015		RMB	09/05/83	L-LC	A
01	RC	RCH0000000030	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1016		RMB	09/05/83	L-LC	A
01	RC	RCH0000000031	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1017		RMB	09/05/83	L-LC	A
01	RC	RCH0000000032	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1018		BGF	09/05/83	L-LC	A
01	RC	RCH0000000033	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1019		RMB	09/05/83	L-LC	A
01	RC	RCH0000000034	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1020		RMB	09/05/83	L-LC	A
01	RC	RCH0000000035	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1021		RMB	09/05/83	L-LC	A
01	RC	RCH0000000036	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1022		RMB	09/05/83	L-LC	A
01	RC	RCH0000000037	0	BK2	RS	MSG0013	11	S	04.00	0.438	UT	NUT 01		R1023		RMB	09/05/83	L-LC	A
01	RC	RCH0000000039	0	BK2	RS	MSG0013	11	S	06.00	0.718	UT	NUT 01		R1024		RMB	09/05/83	L-LC	A
01	RC	RCH0000000065	0	BK2	RS	MSG0013	12	S	06.00	0.718	UT	NUT 01		R1216		MSE	09/27/83	L-LC	A
01	RC	RCH0000000066	0	BK1	IA	MSG0013	12	S	06.00	0.719	PT	NPT 04		R0261		JCS	08/02/83	L-LC	A
01	RC	RCH0000000066	0	BK2	RS	MSG0013	12	S	06.00	0.718	UT	NUT 01		R1217		MSE	09/27/83	L-LC	A
01	RC	RCH0000000071	0	BK2	RS	MSG0013	12	S	06.00	0.718	UT	NUT 01		R1233		MSE	09/23/83	L-LC	A
01	RC	RCH0000000082	0	BK2	RS	MSG0013	12	S	06.00	0.719	UT	NUT 01		R1218		MSE	09/27/83	L-LC	A

CAT	SYSTM	EXAM AREA	REQ'D	CODE CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RC	RCHD000000D085	D	BK2	RS	MSG0013	12	S	06.00	0.718	UT	NUT 01		R1319		MSE	09/27/83	L-LC	A
01	RC	RCHD000000D086	D	BK2	MS	MSG0013	12	S	02.00	0.438	UT	NUT 01		R1320		LBM	09/27/83	L-LC	A
01	RC	RCHD000000D033	D	BK2	RS	MSG0013	12	S	03.00	0.438	UT	NUT 01		R1336		MSE	09/23/83	L-LC	A
01	RC	RCHD000000D089	D	BK2	MS	MSG0013	12	S	03.00	0.438	UT	NUT 01		R1322		MSE	09/27/83	L-LC	A
01	RC	RCHD000000D090	D	BK2	MS	MSG0013	12	S	03.00	0.438	UT	NUT 01		R1323		LBM	09/27/83	L-LC	A
01	RC	RCHD000000D091	D	BK2	MS	MSG0013	12	S	03.00	0.438	UT	NUT 01		R1321		LBM	09/27/83	L-LC	A
01	RC	RCHD000000D095	D	BK2	RS	MSG0013	12	S	06.00	0.718	UT	NUT 01		R1324		MSE	09/27/83	L-LC	A
01	RC	RCHD000000D074	D	BK2	RS	MSG0013	12	S	02.00	0.436	UT	NUT 01		R1342		MSE	09/30/83	L-LC	A
01	RC	RCHD000000D075	D	BK2	MS	MSG0013	12	S	03.00	0.438	UT	NUT 01		R1325		MSE	09/27/83	L-LC	A
01	RC	RCHD000000D096	D	BK2	MS	MSG0013	12	S	03.00	0.438	UT	NUT 01		R1343		MSE	09/30/83	L-LC	A
01	RC	RCHD000000D125	D	BK1	IA	MSG0013	12	S	06.00	0.718	PT	NPT 04		R0262		RMB	09/02/83	L-LC	A
01	RC	RCHD000000D125	D	BK2	MS	MSG0013	12	S	06.00	0.718	UT	NUT 01		R1334		MSE	09/23/83	L-LC	A
01	RC	RCHD000000D126	D	BK1	IA	MSG0013	12	S	06.00	0.718	PT	NPT 04		R0263		RMB	09/02/83	L-LC	A
01	RC	RCHD000000D126	D	BK2	CF	MSG0013	12	S	06.00	0.718	UT	NUT 01		R1306		BGF	09/24/83	L-LC	A
01	RC	RCHD000000D131	D	BK2	MS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0944		MSE	09/02/83	L-LC	A
01	RC	RCHD000000D132	D	BK2	RS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0945		MSE	09/02/83	L-LC	A
01	RC	RCHD000000D133	D	BK2	MS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0946		MSE	09/02/83	L-LC NDIPSQ0063 USE-AS-IS USQD#83-28	A
01	RC	RCHD000000D134	D	BK2	MS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0947		MSE	09/02/83	L-LC	A
01	RC	RCHD000000D135	D	BK2	RS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0948		MSE	09/02/83	L-LC	A
01	RC	RCHD000000D136	D	BK2	RS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0949		MSE	09/02/83	L-LC	A
01	RC	RCHD000000D137	D	BK2	RS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0950		MSE	09/02/83	L-LC	A
01	RC	RCHD000000D138	D	BK2	RS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0951		MSE	09/02/83	L-LC	A
01	RC	RCHD000000D139	D	BK2	RS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0952		MSE	09/02/83	L-LC	A
01	RC	RCHD000000D140	D	BK2	MS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0953		MSE	09/02/83	L-LC	A

I C	SYSTM	EXAM AREA	R S B	COD CAT	T Y P	DRAWING	S H E	M A T	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	I N P	DATE	COMMENTS	R E S
01	RC	RCH0000003141	0	BK2	MS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0354		MSE	09/02/83 L-LC		A
01	RC	RCH0000003142	0	BK2	RS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0355		MSE	09/02/83 L-LC		A
01	RC	RCH0000003143	0	BK2	MS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0356		MSE	09/02/83 L-LC		A
01	RC	RCH0000003144	0	BK2	RS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0357		MSE	09/02/83 L-LC		A
01	RC	RCH0000003145	0	BK2	RS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0358		MSE	09/02/83 L-LC		A
01	RC	RCH0000003146	0	BK2	RS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0359		MSE	09/02/83 L-LC		A
01	RC	RCH0000003147	0	BK2	MS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0360		MSE	09/02/83 L-LC	NOIMSQ00364	R
01	RC	RCH0000003147	1	BK2	MS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R1121		RMB	09/14/83 L-LC		A
01	RC	RCH0000003148	0	BK2	MS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0361		MSE	09/02/83 L-LC		A
01	RC	RCH0000003150	0	BK2	RS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0362		MSE	09/02/83 L-LC		A
01	RC	RCH0000003155	0	BK2	MS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R0363		MSE	09/02/83 L-LC	NOIMSQ00365	R
01	RC	RCH0000003155	1	BK2	MS	MSG0013	02	S	03.00	0.438	UT	NUT 01		R1122		RMB	09/14/83 L-LC		A
01	RC	RCH0000003156	0	BK2	MS	MSG0013	01	S	02.00	0.343	UT	NUT 01		R0364		MSE	09/02/83 L-LC		A
01	RC	RCH0000003181	0	BK2	MS	MSG0013	03	S	02.00	0.343	UT	NUT 01		R0365		MDR	09/02/83 L-LC		A
01	RC	RCH0000003182	0	BK2	RS	MSG0013	03	S	02.00	0.343	UT	NUT 01		R0366		MDR	09/02/83 L-LC		A
01	RC	RCH0000003183	0	BK2	MS	MSG0013	03	S	02.00	0.343	UT	NUT 01		R0367		MDR	09/02/83 L-LC		A
01	RC	RCH0000003184	0	BK2	MS	MSG0013	03	S	02.00	0.343	UT	NUT 01		R0368		MDR	09/02/83 L-LC		A
01	RC	RCH0000003185	0	BK2	RS	MSG0013	03	S	02.00	0.343	UT	NUT 01		R0369		MDR	09/02/83 L-LC		A
01	RC	RCH0000003186	0	BK2	RS	MSG0013	03	S	02.00	0.343	UT	NUT 01		R0370		MDR	09/02/83 L-LC		A
01	RC	RCH0000003187	0	BK2	RS	MSG0013	04	S	03.00	0.438	UT	NUT 01		R0371		MDR	09/02/83 L-LC		A
01	RC	RCH0000003188	0	BK1	IA	MSG0013	04	S	03.00	0.438	PT	NPT 04		R0428		GDS	09/11/83 L-LC		A
01	RC	RCH0000003189	0	BK2	MS	MSG0013	04	S	03.00	0.438	UT	NUT 01		R0372		MDR	09/02/83 L-LC		A
01	RC	RCH0000003187	0	BK2	RS	MSG0013	04	S	03.00	0.438	UT	NUT 01		R0373		MDR	09/02/83 L-LC		A
01	RC	RCH0000003190	0	BK2	MS	MSG0013	04	S	03.00	0.438	UT	NUT 01		R0374		MDR	09/02/83 L-LC		A

SYS	SYSTM	EXAM AREA	PEN	CODE CAT	TYP	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RC	RCHD0000003191	0	BK2	RS	MSGD013	04	S	03.00	0.438	UT	NUT 01		RC375		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003192	0	BK2	MS	MSGD013	04	S	03.00	0.438	UT	NUT 01		RC376		MDR	09/02/83	L-LC NOI#SQ0065	R
01	RC	RCHD0000003192	1	BK2	MS	MSGD013	04	S	03.00	0.438	UT	NUT 01		R1123		RMB	09/14/83	L-LC	A
01	RC	RCHD0000003193	0	BK2	RS	MSGD013	04	S	03.00	0.438	UT	NUT 01		RC377		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003194	0	BK2	RS	MSGD013	04	S	03.00	0.438	UT	NUT 01		RC378		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003195	0	BK2	MS	MSGD013	04	S	03.00	0.438	UT	NUT 01		RC379		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003197	0	BK2	MS	MSGD013	04	S	03.00	0.438	UT	NUT 01		RC380		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003198	0	BK2	MS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC381		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003199	0	BK2	MS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC382		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003200	0	BK2	RS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC383		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003215	0	BK2	RS	MSGD013	04	S	03.00	0.438	UT	NUT 01		RC384		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003231	0	BK2	MS	MSGD013	05	S	03.00	0.438	UT	NUT 01		RC320		MDR	09/01/83	L-LC	A
01	RC	RCHD0000003232	0	BK1	IA	MSGD013	05	S	03.00	0.438	PT	NPT 04		RC589		CGT	09/19/83	L-LC	A
01	RC	RCHD0000003232	0	BK2	MS	MSGD013	05	S	03.00	0.438	UT	NUT 01		RC322		MDR	09/01/83	L-LC	A
01	RC	RCHD0000003233	0	BK2	RS	MSGD013	05	S	03.00	0.438	UT	NUT 01		RC321		MDR	09/01/83	L-LC	A
01	RC	RCHD0000003234	0	BK2	RS	MSGD013	05	S	03.00	0.438	UT	NUT 01		RC323		MDR	09/01/83	L-LC	A
01	RC	RCHD0000003235	0	BK2	RS	MSGD013	05	S	03.00	0.438	UT	NUT 01		RC324		MDR	09/01/83	L-LC	A
01	RC	RCHD0000003236	0	BK2	RS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC385		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003237	0	BK2	RS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC386		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003238	0	BK2	MS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC387		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003239	0	BK2	MS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC388		MDR	09/02/83	L-LC	A
01	RC	RCHD0000003240	0	BK2	RS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC389		MDR	09/02/83	L-LC NOI#SQ0067	R
01	RC	RCHD0000003240	1	BK2	RS	MSGD013	05	S	02.00	0.343	UT	NUT 01		R1124		RMB	09/14/83	L-LC	A
01	RC	RCHD0000003241	0	BK2	MS	MSGD013	05	S	02.00	0.343	UT	NUT 01		RC390		MDR	09/02/83	L-LC	A

ITEM	SYSTM	EXAM AREA	REQ CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RC	RCH0000003242	0	BK2	MS	MSG0013	06	S	03.00	0.438	UT	NUT 01		R0325		MDR 09/01/83	L-LC	A
01	RC	RCH0000003243	0	BK2	RS	MSG0013	05	S	03.00	0.438	UT	NUT 01		R0326		MDR 09/01/83	L-LC	A
01	RC	RCH0000003244	0	BK2	RS	MSG0013	05	S	03.00	0.438	UT	NUT 01		R0327		MDR 09/01/83	L-LC	A
01	RC	RCH0000003245	0	BK2	MS	MSG0013	05	S	03.00	0.438	UT	NUT 01		R0328		MDR 09/01/83	L-LC	A
01	RC	RCH0000003247	0	BK2	MS	MSG0013	06	S	03.00	0.438	UT	NUT 01		R0329		MDR 09/01/83	L-LC	A
01	RC	RCH0000003248	0	BK2	MS	MSG0013	05	S	02.00	0.343	UT	NUT 01		R0331		MDR 09/02/83	L-LC	A
01	RC	RCH0000003249	0	BK2	MS	MSG0013	05	S	02.00	0.343	UT	NUT 01		R0332		MDR 09/02/83	L-LC	A
01	RC	RCH0000003250	0	BK2	MS	MSG0013	05	S	02.00	0.343	UT	NUT 01		R0333		MDR 09/02/83	L-LC NCI#SQ0058	R
01	RC	RCH0000003253	1	BK2	MS	MSG0013	05	S	02.00	0.343	UT	NUT 01		R1125		RM3 09/14/83	L-LC	A
01	RC	RCH0000003251	0	BK2	MS	MSG0013	05	S	02.00	0.343	UT	NUT 01		R0334		MDR 09/02/83	L-LC NCI#SQ0069	R
01	RC	RCH0000003251	1	BK2	MS	MSG0013	05	S	02.00	0.343	UT	NUT 01		R1126		LRM 09/27/83	L-LC	A
01	RC	RCH0000003257	0	BK2	RS	MSG0013	06	S	03.00	0.438	UT	NUT 01		R0332		MDR 09/01/83	L-LC	A
01	RC	RCH0000003266	0	BK2	MS	MSG0013	05	S	03.00	0.438	UT	NUT 01		R0335		MDR 09/02/83	L-LC	A
01	RC	RCH0000003281	0	BK2	MS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R0336		MSE 09/02/83	L-LC	A
01	RC	RCH0000003282	0	BK2	RS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R0337		MSE 09/02/83	L-LC	A
01	RC	RCH0000003283	0	BK2	MS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R0338		MSE 09/02/83	L-LC	A
01	RC	RCH0000003284	0	BK2	MS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R0339		MSE 09/02/83	L-LC	A
01	RC	RCH0000003285	0	BK2	RS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R1000		MSE 09/02/83	L-LC	A
01	RC	RCH0000003286	0	BK2	RS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R1001		MSE 09/02/83	L-LC	A
01	RC	RCH0000003287	0	BK2	RS	MSG0013	08	S	03.00	0.438	UT	NUT 01		R0331		MSE 09/01/83	L-LC	A
01	RC	RCH0000003288	0	BK1	IA	MSG0013	03	S	02.00	0.438	PT	NPT 04		R0300		RM3 09/04/83	L-LC	A
01	RC	RCH0000003288	0	BK2	MS	MSG0013	03	S	02.00	0.438	UT	NUT 01		R1106		RM3 09/13/83	L-LC	A
01	RC	RCH0000003289	0	BK2	RS	MSG0013	03	S	02.00	0.438	UT	NUT 01		R0330		MSE 09/01/83	L-LC	A
01	RC	RCH0000003290	0	BK2	MS	MSG0013	03	S	03.00	0.438	UT	NUT 01		R0333		MSE 09/01/83	L-LC	A

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SYST	SYSTM	EXAM AREA	REQ #	COD CAT	ITEM P	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RC	RCH0000003291	0	BK2	RS	MSG0013	03	S	03.00	0.438	UT	NUT 01		R0934			MSE 09/01/83 L-LC		A
01	RC	RCH0000003292	0	BK2	MS	MSG0013	03	S	03.00	0.438	UT	NUT 01		R0935			MSE 09/01/83 L-LC		A
01	RC	RCH0000003293	0	BK2	RS	MSG0013	03	S	03.00	0.438	UT	NUT 01		R0935			MSE 09/01/83 L-LC		A
01	RC	RCH0000003294	0	BK2	RS	MSG0013	03	S	03.00	0.438	UT	NUT 01		R0937			MSE 09/01/83 L-LC		A
01	RC	RCH0000003295	0	BK2	RS	MSG0013	03	S	03.00	0.438	UT	NUT 01		R0938			MSE 09/01/83 L-LC		A
01	RC	RCH0000003296	0	BK2	MS	MSG0013	03	S	03.00	0.438	UT	NUT 01		R0939			MSE 09/01/83 L-LC		A
01	RC	RCH0000003297	0	BK2	MS	MSG0013	03	S	03.00	0.438	UT	NUT 01		R0940			MSE 09/01/83 L-LC		A
01	RC	RCH0000003298	0	BK2	MS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R0941			MSE 09/01/83 L-LC		A
01	RC	RCH0000003299	0	BK2	MS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R0942			MSE 09/01/83 L-LC		A
01	RC	RCH0000003300	0	BK2	MS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R0943			MSE 09/01/83 L-LC		A
01	RC	RCH0000003301	0	BK2	MS	MSG0013	07	S	02.00	0.343	UT	NUT 01		R0919			MSE 09/01/83 L-LC		A
01	RC	RCH0000003832	0	BK2	MS	MSG0013	09	S	02.00	0.343	UT	NUT 01		R1025			MDR 09/06/83 L-LC		A
01	RC	RCH0000003833	0	BK2	MS	MSG0013	09	S	02.00	0.343	UT	NUT 01		R1026			MDR 09/06/83 L-LC		A
01	RC	RCH0000003834	0	BK2	MS	MSG0013	09	S	02.00	0.343	UT	NUT 01		R1027			MDR 09/06/83 L-LC		A
01	RC	RCH0000003835	0	BK2	MS	MSG0013	09	S	02.00	0.343	UT	NUT 01		R1028			MDR 09/06/83 L-LC		A
01	RC	RCH0000003862	0	BK2	MS	MSG0013	09	S	02.00	0.343	UT	NUT 01		R1029			MDR 09/06/83 L-LC		A
01	RC	RCH0000003863	0	BK2	MS	MSG0013	09	S	02.00	0.343	UT	NUT 01		R1030			MDR 09/06/83 L-LC		A
01	RC	RCH0000003864	0	BK2	MS	MSG0013	09	S	02.00	0.343	UT	NUT 01		R1040			MSE 09/06/83 L-LC		A
01	RC	RCH0000003865	0	BK2	MS	MSG0013	09	S	02.00	0.343	UT	NUT 01		R1031			MDR 09/06/83 L-LC		A
01	RC	RCH0000003872	0	BK2	MS	MSG0013	10	S	02.00	0.343	UT	NUT 01		R1032			MSE 09/06/83 L-LC		A
01	RC	RCH0000003873	0	BK2	MS	MSG0013	10	S	02.00	0.343	UT	NUT 01		R1033			MSE 09/06/83 L-LC		A
01	RC	RCH0000003874	0	BK2	MS	MSG0013	10	S	02.00	0.343	UT	NUT 01		R1034			MSE 09/06/83 L-LC	NDI#SQ0070	R
01	RC	RCH0000003874	1	BK2	MS	MSG0013	10	S	02.00	0.343	UT	NUT 01		R1145			MSE 09/15/83 L-LC		A
01	RC	RCH0000003895	0	BK2	MS	MSG0013	10	S	02.00	0.343	UT	NUT 01		R1035			MSE 09/06/83 L-LC		A

CAT	SYSTM	EXAM AREA	REQ'D	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RC	RCH3000000320	0	BK2	WS	MSG0013	10	S	02.00	0.343	VT	NVT 01		R1036			MSE 09/05/83	L-LC NOI#SQC071	R
01	RC	RCH3000000920	1	BK2	WS	MSG0013	10	S	02.00	0.343	VT	NVT 01		R1126			RM8 09/14/83	L-LC	A
01	RC	RCH3000000921	0	BK2	MS	MSG0013	10	S	02.00	0.343	VT	NVT 01		R1037			MSE 09/05/83	L-LC	A
01	RC	RCH3000000922	0	BK2	WS	MSG0013	10	S	02.00	0.343	VT	NVT 01		R1038			MSE 09/05/83	L-LC	A
01	RC	RCH3000000923	0	BK2	MS	MSG0013	10	S	02.00	0.343	VT	NVT 01		R1039			MSE 09/05/83	L-LC	A
01	RC	RCS0000000145	0	BJ	CW	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0379			LEW 08/03/83	L-LC	A
01	RC	RCS0000000147	0	BJ	CW	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0380			LEW 08/03/83	L-LC	A
01	RC	RCS0000000148	0	BJ	CW	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0381			WJD 08/03/83	L-LC	A
01	RC	RCS0000000149	0	BJ	CW	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0366			CGT 08/02/83	L-LC	A
01	RC	RCS0000000150	0	BJ	CW	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0367			CGT 08/02/83	L-LC	A
01	RC	RCS000000074BC	0	BG2	FB	ISI0013	03	S	06.00	0.718	MT	NMT 03		R0736			JEF 08/27/83	L-LC VALVE INLET BOLTING I-E8#32-02	A
											VT	NVT 01		R0739			JEF 08/27/83	L-LC VALVE INLET BOLTING I-E8#32-02	A
01	RC	RCS000000074BC	0	BG2	FB	ISI0013	03	S	06.00	0.718	MT	NMT 03		R0737			JEF 08/27/83	L-LC VALVE INLET BOLTING I-E8#32-02	A
											VT	NVT 01		R0741			JEF 08/27/83	L-LC VALVE INLET BOLTING I-E8#32-02	A
01	RC	RCS000000107BC	0	BG2	FB	ISI0013	03	S	06.00	0.718	MT	NMT 03		R0738			JEF 08/27/83	L-LC VALVE INLET BOLTING I-E8#32-02	A
											VT	NVT 01		R0740			JEF 08/27/83	L-LC VALVE INLET BOLTING I-E8#32-02	A
01	RC	RCS000001408C	0	BG2	FB	ISI0013	05	S	03.00	0.438	VT	NVT 01		R0551			RM8 09/15/83	L-LC NOI#SQC044	R
01	RC	RCS000001408C	1	BG2	FB	ISI0013	05	S	03.00	0.438	VT	NVT 01		R1077			RM8 09/12/83	L-LC	A
01	RC	RCS000001568C	0	BG2	FB	ISI0013	04	S	03.00	0.438	VT	NVT 01		R0671			RM8 09/21/83	L-LC	A
01	RC	RCS000001848C	0	BG2	FB	ISI0013	02	S	03.00	0.438	VT	NVT 01		R0575			RM8 09/22/83	L-LC	A
01	RC	RCS000002008C	0	BG2	FB	ISI0013	04	S	03.00	0.438	VT	NVT 01		R0727			RM8 09/25/83	L-LC	A
01	RC	RCW0000000001	0	BJ	SW	ISI0013	05	S	03.00	0.438	PT	NPT 04		R0376			WJD 08/03/83	L-LC	A
01	RC	RCC0000001237	0	BJ	SW	ISI0013	07	S	02.00	0.343	PT	NPT 04		R0301			RM8 09/04/83	L-LC	A

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CAT	SYSTM	EXAM AREA	REF	COD CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
D1	RC	RC03000001241	0	BJ	SW	ISI0013	09	S	02.00	0.343	PT	NPT 04		R0502		RMB	08/04/83 L-LC		A
D1	RC	RC03000001252	0	BJ	SW	ISI0013	09	S	02.00	0.343	PT	NPT 04		R0547		CGT	08/17/83 L-LC		A
D1	RC	RC03000001266	0	BJ	SW	ISI0013	09	S	02.00	0.343	PT	NPT 04		R0503		RMB	08/04/83 L-LC		A
D1	RC	RC03000001379A	0	BJ	SW	ISI0013	07	S	02.00	0.343	PT	NPT 04		R0519		CGT	08/05/83 L-LC		A
D1	RC	RC03000001332	0	BJ	SW	ISI0013	07	S	02.00	0.343	PT	NPT 04		R0520		CGT	08/05/83 L-LC		A
D1	RC	RC03000001335	0	BJ	SW	ISI0013	07	S	02.00	0.343	PT	NPT 04		R0521		CGT	08/05/83 L-LC		A
D1	RC	RC03000001397	0	BJ	SW	ISI0013	07	S	02.00	0.343	PT	NPT 04		R0522		GDF	08/05/83 L-LC		A
D1	RC	RC03000001402	0	BJ	SW	ISI0013	07	S	02.00	0.343	PT	NPT 04		R0523		GDF	08/05/83 L-LC		A
D1	RC	RC03000001444	0	BJ	SW	ISI0013	07	S	02.00	0.343	PT	NPT 04		R0524		GDF	08/05/83 L-LC		A
D1	RC	RC03000001479	0	BJ	SW	ISI0013	03	S	02.00	0.343	PT	NPT 04		R0504		RMB	08/04/83 L-LC		A
D1	RC	RC03000001435	0	BJ	SW	ISI0013	08	S	02.00	0.343	PT	NPT 04		R0505		RMB	08/04/83 L-LC		A
D1	RC	RC03000001505	0	BJ	SW	ISI0013	08	S	02.00	0.343	PT	NPT 04		R0506		RMB	08/04/83 L-LC		A
D1	RC	RC03000001502	0	BJ	SW	ISI0013	08	S	02.00	0.343	PT	NPT 04		R0507		RMB	08/04/83 L-LC		A
D1	RC	RC03000001729	0	BJ	SW	ISI0013	05	S	02.00	0.343	PT	NPT 04		R0511		TLS	08/04/83 L-LC		A
D1	RC	RC03000001733	0	BJ	SW	ISI0013	05	S	02.00	0.343	PT	NPT 04		R0512		TLS	08/04/83 L-LC		A
D1	RC	RC03000001743	0	BJ	SW	ISI0013	05	S	02.00	0.343	PT	NPT 04		R0513		TLS	08/04/83 L-LC		A
D1	RC	RC03000001745	0	BJ	SW	ISI0013	05	S	02.00	0.343	PT	NPT 04		R0514		TLS	08/04/83 L-LC		A
D1	RC	RC03000001757	0	BJ	SW	ISI0013	05	S	02.00	0.343	PT	NPT 04		R0515		TLS	08/04/83 L-LC		A
D1	RC	RC03000001751	0	BJ	SW	ISI0013	05	S	02.00	0.343	PT	NPT 04		R0510		CGT	08/15/83 L-LC		A
D1	RC	68-03000000503	0	BG2	VB	ISI0013	05	S	03.00	0.438	UT	NUT 01		R0703		RMB	08/15/83 L-LC	NDI#SQ0052	R
D1	RC	68-03000000503	1	BG2	VB	ISI0013	05	S	03.00	0.438	UT	NUT 01		R1137		RMB	09/14/83 L-LC	NDI#SQ0082	R
D1	RC	68-03000000503	2	BG2	VB	ISI0013	05	S	03.00	0.438	UT	NUT 01		R1208		JDS	09/23/83 L-LC		A
D1	RC	68-03000000514	0	BG2	VB	ISI0013	05	S	03.00	0.438	UT	NUT 01		R0519		RMB	08/15/83 L-LC		A
D1	RC	68-03000000541	0	BG2	VB	ISI0013	04	S	03.00	0.438	UT	NUT 01		P0702		RMB	08/21/83 L-LC	NDI#SQ0051	R

CY	SYSTM	EXAM AREA	REF	CAT	TYP	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RC	68-0000003541	1	BG2	VB	ISI0013	04	S	03.00	0.438	UT	NUT 01		R1136		RMB	09/14/83	L-LC NOI#SQ0081 USE-AS-IS USQD#83-26	A
01	RC	68-0000003547	3	BG2	VB	ISI0013	04	S	03.00	0.438	UT	NUT 01		R0370		RMB	03/21/83	L-LC	A
01	RC	68-0000003563	3	BG2	VB	ISI0013	03	S	06.00	0.718	MT	NMT 03		R0715		JEF	09/29/83	L-LC 8 BOLTS IEB#82-02	A
											UT	NUT 01		R0715		JEF	03/13/83	L-LC P BOLTS IEB#82-02	A
01	RC	68-0000003553	3	BM2	VI	ISI0013	03	S	06.00	0.719	UT	NUT 01		R0717		LEW	09/23/83	L-LC VALVE INTERIOR	A
01	RC	68-0000003564	3	BG2	VB	ISI0013	03	S	06.00	0.719	MT	NMT 03		R1082		MSE	09/07/83	L-LC IEB#82-02 NOI#SQ0077	R
											UT	NUT 01		R1061		MSE	09/07/83	L-LC IEB#82-02	A
01	RC	68-0000003564	3	BM2	VI	ISI0013	03	S	06.00	0.719	UT	NUT 01		R1073		RGF	09/03/83	L-LC VALVE INTERIOR	A
01	RC	68-0000003554	1	BG2	VB	ISI0013	03	S	06.00	0.719	MT	NMT 03		R1063		GLW	09/09/83	L-LC IEB#82-02	A
01	RC	68-0000003565	3	BG2	VB	ISI0013	03	S	06.00	0.719	MT	NMT 03		R0015		LDK	09/01/83	L-LC IEB#82-02	A
											UT	NUT 01		R0716		LDK	09/01/83	L-LC IEB#82-02	A
01	RC	68-0000003565	3	BM2	VI	ISI0013	03	S	06.00	0.719	UT	NUT 01		R1074		BGF	09/02/83	L-LC VALVE INTERIOR	A
01	RCP	RCP#1FLYWHEEL	3	N/A	SM	N/A	03	C	00.00	7.000	UT	0 NUT 21	00000	R0457	C0016	FSW	08/11/83	L-LC PER R81.14	A
01	RCP	RCP#1MFLGBLTG	3	BG1	PB	CHM2675	01	C	30.50	4.500	UT	0 NUT 05	SQ 26	R0710	C0040	LBM	08/25/83	L-LC MAIN FLANGE BOLTS 1 THROUGH 24	A
01	RCP	RCP#1SL#1SSY	3	BG2	PB	CHM2675	01	C	00.00	2.000	UT	NUT 01		R0406		MSE	08/10/83	L-LC #1THROUGH#12 BOLTS	A
01	RCP	RCP#1SLW2SSY	3	BG2	PB	CHM2675	01	C	00.00	1.000	UT	NUT 01		R0407		MSE	08/10/83	L-LC NOI#SQ0032 #1THROUGH#12 BOLTS	R
01	RCP	RCP#1SL#2SSY	1	BG2	PB	CHM2675	01	C	00.00	1.000	UT	NUT 01		R0408		MSE	08/10/83	L-LC	A
01	RCP	RCP#1SL#3SSY	3	BG2	PB	CHM2675	01	C	00.00	0.375	UT	NUT 01		R0409		MSE	08/10/83	L-LC NOI#SQ0033 #1THROUGH#12 BOLTS	R
01	RCP	RCP#1SL#3SSY	1	BG2	PB	CHM2675	01	C	00.00	0.375	UT	NUT 01		R0410		MSE	08/10/83	L-LC	A
01	RCP	RCP#1SUPC3001	3	BK1	IA	ISI0093	01	S	00.00	0.000	PT	NPT 04		R1065		LDK	09/12/83	L-LC	A
01	RCP	RCP#1SUPC3001	3	BK2	CS	ISI0093	01	S	00.00	0.000	UT	NUT 01		R1002		LDK	09/05/83	L-LC	A
01	RCP	RCP#1SUPC3002	3	BK1	IA	ISI0093	01	S	00.00	0.000	PT	NPT 04		R1065		LDK	09/12/83	L-LC	A
01	RCP	RCP#1SUPC3002	3	BK2	CS	ISI0093	01	S	00.00	0.000	UT	NUT 01		R1002		LDK	09/05/83	L-LC	A

C F C	SYSTM	EXAM AREA	R E F	COD CAT	T Y P	DRAWING	S H E	M O D T	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	I N P	DATE	COMMENTS	R E S
01	RCP	RCP#1SUP03003	0	BK1	IA	ISI0093	C1	S	00.00	0.000	PT	NPT 04		R1065		LDK	09/12/83	L-LC	A
01	RCP	RCP#1SUP03003	0	BK2	CS	ISI0098	C1	S	00.00	0.000	UT	NUT 01		R1002		LDK	09/06/83	L-LC	A
01	RCP	RCP#2FLYWHEEL	0	N/A	BM	N/A	00	C	00.00	7.000	UT	0 NUT 21	N/A	R1045	C0056	MDR	09/08/83	L-LC PER RG1.14	A
01	RCP	RCP#2SL#1ASSY	0	BG2	PB	CHM2675	C1	C	00.00	2.000	VT	NVT 01		R1237		LEW	08/11/83	L-LC #1THROUGH#12	A
01	RCP	RCP#2SL#2ASSY	0	BG2	PB	CHM2675	C1	C	00.00	1.000	VT	NVT 01		R1238		LEW	08/11/83	L-LC #1THROUGH#12 BOLTS	A
01	RCP	RCP#2SL#3ASSY	0	BG2	PB	CHM2675	C1	C	00.00	0.375	VT	NVT 01		R1239		LEW	08/11/83	L-LC #1THROUGH#12	A
01	RCP	RCP#3SL#1ASSY	0	BG2	PB	CHM2675	C1	C	00.00	0.375	VT	NVT 01		R0316		LEW	09/04/83	L-LC #1THROUGH#12 NOI#SQ 0027 USE-AS-IS USCC#83-25	A
01	RCP	RCP#3SL#2ASSY	0	BG2	PB	CHM2675	C1	C	00.00	1.000	VT	NVT 01		R0317		LEW	08/04/83	L-LC #1THROUGH#12 BOLTSN OI#SQ00029	R
01	RCP	RCP#3SL#2ASSY	1	BG2	PB	CHM2675	C1	C	00.00	1.000	VT	NVT 01		R0329		LEW	08/05/83	L-LC	A
01	RCP	RCP#3SL#3ASSY	0	BG2	PB	CHM2675	C1	C	00.00	0.375	VT	NVT 01		R0318		LEW	08/04/83	L-LC NOI#SQ00029 #1THROUGH #12 BOLTS	R
01	RCP	RCP#3SL#3ASSY	1	BG2	PB	CHM2675	C1	C	00.00	0.375	VT	NVT 01		R0328		LEW	08/05/83	L-LC	A
01	RCP	RCP#4FLYWHEEL	0	N/A	BM	N/A	00	C	00.00	7.000	UT	0 NUT 21	00000	R0459	C0016	FSW	08/11/83	L-LC PER RG1.14	A
01	RCP	RCP#4SL#1ASSY	0	BG2	PB	CHM2675	C1	C	00.00	2.000	VT	NVT 01		R0177		RMB	07/27/83	L-LC #1THROUGH#12 BOLTS	A
01	RCP	RCP#4SL#2ASSY	0	BG2	PB	CHM2675	C1	C	00.00	1.000	VT	NVT 01		R0176		RMB	07/27/83	L-LC #1THROUGH#12 BOLTS	A
01	RCP	RCP#4SL#3ASSY	0	BG2	PB	CHM2675	C1	C	00.00	0.375	VT	NVT 01		R0175		RMB	07/27/83	L-LC #1THROUGH#12 BOLTS	A
01	RHR	RHRF000003006A	0	CF	CW	ISI0003	C1	S	14.00	0.438	PT	NPT 04		R0021		LEW	07/23/83	L-PC553	A
01	RHR	RHRF000003010A	0	CF	CW	ISI0003	C1	S	18.00	0.562	PT	NPT 04		R1135		WJD	09/14/83	L-RHRS	A
											UT	45 SQUT27 SQ 39		R1138	C0068	LBM	09/14/83	L-RHRS	A
01	RHR	RHRF000003014	0	CF	CW	ISI0003	C1	S	14.00	0.438	PT	NPT 04		R0020		LEW	07/23/83	L-PC553	A
01	RHR	RHRF000003125	0	BJ	CW	ISI0003	C5	S	06.00	0.718	PT	NPT 04		R0365		GDF	08/09/83	L-LC	A
											UT	45 SQUT27 SQ 01		R0555	C0025	LBM	08/17/83	L-LC LMT-SCAN 3E4; REF. P T EXAM R0365	A
01	RHR	RHRH000003001	0	BK2	RS	MSG0010	01	S	14.00	1.406	VT	NVT 01		R0352		JEF	08/02/83	L-4AR	A
01	RHR	RHRH000003002	0	BK2	RS	MSG0010	01	S	14.00	1.406	VT	NVT 01		R1068		RMB	09/12/83	L-LC	A

SYST	EXAM AREA	R S	COD CAT	TYP	DRAWING	SH	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01 RHR	RHRH000D0C0003	D	BK1	IA	MSG0010	01	S	14.00	1.406	PT	NPT 04		R0426		CGT	08/11/83	L-LC	A
01 RHR	RHRH000000D003	[illegible]	BK2	RS	MSG0010	01	S	14.00	1.406	UT	NUT 01		R1069		RM3	09/12/83	L-LC	A
01 RHR	RHRH000000D004	D	BK2	RS	MSG0010	01	S	14.00	1.406	UT	NUT 01		R1070		RM3	09/12/83	L-LC	A
01 RHR	RHRH000000D005	D	BK2	RS	MSG0010	01	S	14.00	1.406	UT	NUT 01		R1071		RM3	09/12/83	L-LC	A
01 RHR	RHRH000000D006	D	BK2	MS	MSG0010	01	S	14.00	1.406	UT	NUT 01		R1072		RM3	09/12/83	L-LC	A
01 RHR	RHRH000000D007	D	BK1	IA	MSG0010	01	S	14.00	1.406	PT	NPT 04		R0427		CGT	08/11/83	L-LC	A
01 RHR	RHRH000000D007	D	BK2	MS	MSG0010	01	S	14.00	1.406	UT	NUT 01		R1107		RM3	09/13/83	L-LC NOI#SQ0078	R
01 RHR	RHRH000000D007	1	BK2	MS	MSG0010	01	S	14.00	1.406	UT	NUT 01		R1335		LBM	09/23/83	L-LC	A
01 RHR	RHRH000000D400	D	CE	VS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0001		LEW	07/22/83	L-RPR2A	A
01 RHR	RHRH000000D401	D	CE	MS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0002		LEW	07/22/83	L-RPR2A	A
01 RHR	RHRH000000D402	D	CE	RS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0054		JEF	07/25/83	L-RPR2A	A
01 RHR	RHRH000000D403	D	CE	RS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0055		JEF	07/26/83	L-RPR2A	A
01 RHR	RHRH000000D404	D	CE	RS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0218		LEW	07/22/83	L-PC553 NOI#SQ0024	R
01 RHR	RHRH000000D404	1	CE	RS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R1309		LBM	09/25/83	L-PC553	A
01 RHR	RHRH000000D405	D	CE	RS	MSG0010	03	S	18.00	0.562	UT	NUT 01		R0003		LEW	07/22/83	L-PC553	A
01 RHR	RHRH000000D407	D	CE	VS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0004		LEW	07/22/83	L-RPR2B	A
01 RHR	RHRH000000D408	D	CE	MS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0006		LEW	07/23/83	L-RPR2B NOI#SQ0001	R
01 RHR	RHRH000000D408	1	CE	MS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0398		JCS	08/25/83	L-RPR2B	A
01 RHR	RHRH000000D409	D	CE	RS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0052		JEF	07/25/83	L-RPR2B	A
01 RHR	RHRH000000D410	D	CE	RS	MSG0010	03	S	14.00	0.438	UT	NUT 01		R0051		JEF	07/25/83	L-RPR2B	A
01 RHR	RHRH000000D411	D	CE	RS	MSG0010	03	S	18.00	0.562	UT	NUT 01		R0253		LEW	08/02/83	L-PC553	A
01 RHR	RHRH000000D412	D	CE	RS	MSG0010	03	S	18.00	0.562	UT	NUT 01		R0005		LEW	07/22/83	L-PC553	A
01 RHR	RHRH000000D414	D	CE	VS	MSG0010	02	S	14.00	0.438	UT	NUT 01		R0405		JEF	08/10/83	L-PC553	A
01 RHR	RHRH000000D415	D	CE	RS	MSG0010	02	S	14.00	0.438	UT	NUT 01		R0588		JEF	08/18/83	L-PC553	A

SYS	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RHR	RHRH0000003415	0	CE	RS	MSG0010	02	S	14.00	0.438	UT	NUT 01		R0569		JEF	08/18/83	L-PC553	A
01	RHR	RHRH0000003417	0	CE	RS	MSG0010	02	S	14.00	0.438	UT	NUT 01		R0438		JEF	08/11/83	L-PC569	A
01	RHR	RHRH0000003418	0	CE	RS	MSG0010	02	S	14.00	0.438	UT	NUT 01		R0439		JEF	08/11/83	L-PC569	A
01	RHR	RHRH0000003419	0	CE	RS	MSG0010	02	S	14.00	0.438	UT	NUT 01		R0437		JEF	08/15/83	L-PC590	A
01	RHR	RHRH0000003420	0	CE	WS	MSG0010	02	S	14.00	0.438	UT	NUT 01		R0489		JEF	08/15/83	L-PC590	A
01	RHR	RHRH0000003421	0	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0193		RMB	07/29/83	L-RHXR2A	A
01	RHR	RHRH0000003422	0	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0194		RMB	07/29/83	L-RHXR2A	A
01	RHR	RHRH0000003423	0	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0195		RMB	07/29/83	L-RHXR2A NOI#SQ0018	R
01	RHR	RHRH0000003423	1	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0773		JEF	08/27/83	L-RHXR2A	A
01	RHR	RHRH0000003424	0	CE	WS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0335		RMB	07/24/83	L-RHXR2A	A
01	RHR	RHRH0000003425	0	CE	WS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0316		RMB	07/23/83	L-RHXR2A	A
01	RHR	RHRH0000003426	0	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0196		RMB	07/29/83	L-RHXR2A	A
01	RHR	RHRH0000003427	0	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0197		RMB	07/23/83	L-RHXR2A	A
01	RHR	RHRH0000003428	0	CE	RS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0572		JEF	08/13/83	L-RHXR2B	A
01	RHR	RHRH0000003429	0	CE	WS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0573		JEF	08/13/83	L-RHXR2B	A
01	RHR	RHRH0000003430	0	CE	WS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0574		JEF	08/13/83	L-RHXR2B	A
01	RHR	RHRH0000003438	0	CE	RS	MSG0010	04	S	12.00	0.406	UT	NUT 01		R0323		RMB	07/24/83	L-RHXR2A	A
01	RHR	RHRH0000003439	0	CE	RS	MSG0010	04	S	12.00	0.406	UT	NUT 01		R0324		RMB	07/24/83	L-RHXR2A	A
01	RHR	RHRH0000003440	0	CE	RS	MSG0010	04	S	12.00	0.406	UT	NUT 01		R0198		RMB	07/23/83	L-RHXR2A	A
01	RHR	RHRH0000003441	0	CE	RS	MSG0010	04	S	12.00	0.406	UT	NUT 01		R0199		RMB	07/23/83	L-RHXR2A	A
01	RHR	RHRH0000003442	0	CE	RS	MSG0010	04	S	12.00	0.406	UT	NUT 01		R0489		JEF	08/15/83	L-PC590	A
01	RHR	RHRH0000003443	0	CE	RS	MSG0010	04	S	12.00	0.406	UT	NUT 01		R0354		JEF	08/08/83	L-PC590	A
01	RHR	RHRH0000003444	0	CE	RS	MSG0010	04	S	12.00	0.406	UT	NUT 01		R0491		JEF	08/15/83	L-PC590	A
01	RHR	RHRH0000003445	0	CE	WS	MSG0010	04	S	12.00	0.406	UT	NUT 01		R0490		JEF	08/15/83	L-PC590	A

SYST	SYSTM	EXAM AREA	REQ CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RHR	RHRH000003446	D	CE	RS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0587		JEF	08/09/83	L-RHXR23		A
01	RHR	RHR4000003447	D	CE	RS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0575		JEF	08/13/83	L-RHXR2B	NOI#SQ00047	R
01	RHR	RHR4000003447	1	CE	RS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R1145		MSE	09/15/83	L-RHXR2B		A
01	RHR	RHRH000003448	D	CE	MS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0576		JEF	08/13/83	L-RHXR2B		A
01	RHR	RHRH000003449	D	CE	RS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0577		JEF	08/13/83	L-RHXR2B		A
01	RHR	RHRH000003450	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0700		RMB	07/28/83	L-RHXR2A		A
01	RHR	RHR4000003451	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0751		RMB	07/24/83	L-RHXR2A	NOI#SQ00003	R
01	RHR	RHR4000003451	1	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0745		JEF	07/27/83	L-RHXR2A		A
01	RHR	RHRH000003452	D	CE	MS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0752		BGF	07/24/83	L-RHXR2A	NOI#SQ00004	R
01	RHR	RHRH000003452	1	CE	MS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R1042		BGZ	09/02/83	L-RHXR2A		A
01	RHR	RHR4000003453	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0017		RMB	07/25/83	L-RHXR2A		A
01	RHR	RHRH000003454	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0701		RMB	07/28/83	L-RHXR2A		A
01	RHR	RHR4000003455	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0702		RMB	07/23/83	L-RHXR2A		A
01	RHR	RHRH000003456	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0703		RMB	07/23/83	L-RHXR2A		A
01	RHR	RHRH000003457	D	CE	MS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0516		JEF	08/15/83	L-PC590		A
01	RHR	RHRH000003458	D	CE	MS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0505		JEF	08/20/83	L-PC655		A
01	RHR	RHRH000003459	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0504		JEF	08/13/83	L-RP22A		A
01	RHR	RHRH000003460	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0437		JEF	08/11/83	L-RP22A		A
01	RHR	RHR4000003461	D	CE	MS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0028		LEW	07/24/83	L-RHXR2B		A
01	RHR	RHR4000003462	D	CE	RS	MSG0010	04	S	08.00	0.322	UT	NUT 01		R0404		JEF	08/13/83	L-RHXR2B		A
01	RHR	RHR4000003463	D	CE	MS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0027		LEW	07/24/83	L-RHXR2B		A
01	RHR	RHR4000003464	D	CE	RS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0205		RMB	07/29/83	L-RHXR2B		A
01	RHR	RHRH000003465	D	CE	RS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0025		LEW	07/24/83	L-RHXR2B		A
01	RHR	RHR4000003466	D	CE	RS	MSG0010	05	S	08.00	0.322	UT	NUT 01		R0206		RMB	07/29/83	L-RHXR2B		A

SYS	SYSTM	EXAM AREA	REQ	COD CAT	TYP	DRAWING	SYM #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RHR	RHR4000003457	D	CE	MS	MSG0010	05	S	06.00	0.322	VT	NVT 01		R0492		JEF	08/15/83	L-PC500	A
01	RHR	RHRH000003469	D	CE	RS	MSG0010	05	S	08.00	0.322	VT	NVT 01		R0585		JEF	08/19/83	L-RPR2B NDIRS00048	R
01	RHR	RHR4000003467	1	CE	RS	MSG0010	05	S	08.00	0.322	VT	NVT 01		P1175		LDK	07/17/83	L-RPR2B	A
01	RHR	RHRH000003470	D	CE	RS	MSG0010	05	S	08.00	0.322	VT	NVT 01		P0389		JEF	08/03/83	L-RPR2B	A
01	RHR	RHRH000003471	D	CE	MS	MSG0010	04	S	08.00	0.322	VT	NVT 01		R0586		JEF	08/19/83	L-RPR2A	A
01	RHR	RHR4000003472	D	CE	MS	MSG0010	05	S	08.00	0.322	VT	NVT 01		R0587		JEF	08/19/83	L-RPR2B	A
01	RHR	RHRS000003011	D	CF	CW	ISI0003	01	S	14.00	0.438	PT	NPT 04		R0369		JEF	07/25/83	L-RPR2A	A
01	RHR	RHRS000003015	D	CF	CW	ISI0003	01	S	14.00	0.438	PT	NPT 04		R0359		JEF	07/25/83	L-RPR2A	A
01	RHR	RHRS000003027	D	CF	CW	ISI0003	01	S	14.00	0.438	PT	NPT 04		R0349		JEF	07/25/83	L-RPR2B	A
01	RHR	RHRS000003031	D	CF	CW	ISI0003	01	S	14.00	0.438	PT	NPT 04		R0350		JEF	07/25/83	L-RPR2A	A
01	RHR	RHRS000003033	D	CF	CW	ISI0003	01	S	14.00	0.438	PT	NPT 04		R0348		JEF	07/25/83	L-RPR2B	A
01	RHR	RHRS000003164	D	CF	CW	ISI0003	01	S	14.00	0.438	PT	NPT 04		R0367		JEF	07/25/83	L-RPR2A	A
01	RHR	RHRS000003165	1	BJ	CW	ISI0003	07	S	14.00	1.406	PT	NPT 04		R0509		GDF	08/15/83	L-LC	A
											UT45	SQUT27 SQ 10		R1067	C0069	FSW	08/20/83	L-LC	A
01	RHR	RHRS000003191	D	BJ	CW	ISI0005	05	S	06.00	0.719	PT	NPT 04		R0583		WJD	08/19/83	L-LC	A
											UT45	SQUT27 SQ 10		R0590	C0034	FSW	08/22/83	L-LC	A
01	RHR	RHRS000003205C	D	BJ	BW	ISI0003	08	S	02.00	0.343	PT	NPT 04		R0724		MSE	09/25/83	L-1AR	A
01	RHR	RHRS000003235LS	D	CF	LW	ISI0003	01	S	18.00	0.562	PT	NPT 04		P0251		LEW	08/02/83	L-PC553	A
01	RHR	RHRS000003LS	D	CF	LW	ISI0003	01	S	14.00	0.438	PT	NPT 04		P0250		LEW	08/02/83	L-PC553	A
01	RHR	RHRS000003235LS	D	CF	LW	ISI0003	01	S	18.00	0.562	UT45	SQUT27 SQ 39		R0541	C0002	JCS	08/05/83	L-PC553	A
01	RHR	RHRS000003237LS	D	CF	LW	ISI0003	01	S	14.00	0.438	PT	NPT 04		R0347		JEF	07/25/83	L-RBR2B	A
01	RHR	RHR2000003115	D	BJ	SW	ISI0003	08	S	02.00	0.343	PT	NPT 04		R0725		MSE	09/25/83	L-1AR	A
01	RHR	SIH0000003380	D	CE	RS	MSG0010	05	S	12.00	0.406	VT	NVT 01		R0236		JEF	07/31/83	L-4AR	A
01	RHR	SIH2000003381	D	CE	RS	MSG0010	07	S	08.00	0.812	VT	NVT 01		R0237		JEF	07/31/83	L-4AR	A
01	RHR	SIH0000003382	D	CE	RS	MSG0010	06	S	08.00	0.812	VT	NVT 01		R0558		MSE	08/13/83	L-4AR	A

ITEM	SYSTM	EXAM AREA	REQ #	CODE CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RHR	SIH0000003385	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0557		MSE	09/18/83	L-4FR	A
01	RHR	SIH0000003304	D	CE	RS	MSG0010	05	S	08.00	0.812	UT	NUT 01		R0238		JEF	07/31/83	L-4AR	A
01	RHR	SIH0000003385	D	CE	RS	MSG0010	05	S	08.00	0.812	UT	NUT 01		R0374		MSE	09/07/83	L-4FR	A
01	RHR	SIH0000003386	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0375		MSE	08/07/83	L-4FR	A
01	RHR	SIH0000003387	D	CE	RS	MSG0010	05	S	08.00	0.812	UT	NUT 01		R0376		MSE	08/07/83	L-4FR	A
01	RHR	SIH0000003388	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0377		MSE	08/07/83	L-4FR	A
01	RHR	SIH0000003389	D	CE	RS	MSG0010	05	S	08.00	0.812	UT	NUT 01		R0379		MSE	08/07/83	L-4FR	A
01	RHR	SIH0000003390	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0379		MSE	08/07/83	L-4FR	A
01	RHR	SIH0000003391	D	CE	RS	MSG0010	05	S	08.00	0.812	UT	NUT 01		R0192		JEF	07/28/83	L-1AR	A
01	RHR	SIH0000003392	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0380		MSE	08/07/83	L-4FR	A
01	RHR	SIH0000003393	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0381		MSE	08/07/83	L-4FR	A
01	RHR	SIH0000003394	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0394		MSE	08/04/83	L-2FR	A
01	RHR	SIH0000003395	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0396		MSE	08/04/83	L-2FR	A
01	RHR	SIH0000003396	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0395		MSE	08/04/83	L-2FR	A
01	RHR	SIH0000003397	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0673		MSE	08/22/83	L-2FR	A
01	RHR	SIH0000003398	D	CE	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0515		MSE	08/23/83	L-2AR	A
01	RHR	SIH0000003399	D	BK2	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0674		MSE	08/22/83	L-2AR	A
01	RHR	SIH0000003800	D	BK2	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0811		RMB	08/28/83	L-LC	A
01	RHR	SIH0000003801	D	BK2	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0812		RMB	08/28/83	L-LC	A
01	RHR	SIH0000003802	D	BK2	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0813		RMB	08/28/83	L-LC	A
01	RHR	SIH0000003803	D	BK2	RS	MSG0010	07	S	08.00	0.812	UT	NUT 01		R0814		RMB	08/28/83	L-LC	A
01	RHR	SIH0000003805	D	BK2	RS	MSG0010	05	S	08.00	0.812	UT	NUT 01		R0585		MSE	08/09/83	L-1AR	A
01	RHR	SIH0000003806	D	BK2	RS	MSG0010	05	S	08.00	0.812	UT	NUT 01		R0763		RMB	08/27/83	L-1AR	A
01	RHR	SIH0000003807	D	BK2	RS	MSG0010	05	S	08.00	0.812	UT	NUT 01		R0764		RMB	08/27/83	L-LC	A

SYS	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	CAL REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RHR	SIH0000000903	0	BK2	RS	MS62010	05	S	00.00	0.312	UT	NUT 01		R0765		RMB	08/27/83	L-LC	A
01	RHR	SIH0000000909	0	BK2	RS	MS62010	05	S	06.00	0.718	UT	NUT 01		R0765		RMB	08/27/83	L-LC	A
01	RHR	74-0000000001	0	BG2	VB	ISI0003	07	S	14.00	1.406	MT	MNT 03		R0685		LEW	08/20/83	L-LC IE8882-02	A
											UT	NUT 01		R0693		LEW	08/20/83	L-LC IE8882-02 NOI#SQ0049	R
01	RHR	74-0000000001	1	BG2	VB	ISI0003	07	S	14.00	1.406	UT	NUT 01		R0696		LEW	08/20/83	L-LC IE8882-02	A
01	RHR	74-0000000002	0	BG2	VB	ISI0003	07	S	14.00	1.406	UT	NUT 01		R1109		RMB	09/13/83	L-LC NOI#SQ0079	R
01	RHR	74-0000000002	1	BG2	VB	ISI0003	07	S	14.00	1.406	UT	NUT 01		R1715		LBM	09/27/83	L-LC	A
01	RHR4X	RHR4000000014A	0	CB	NW	CHM2404	01	S	00.00	1.000	PT	NPT 04		R0743		JEF	08/27/83	L-RHXR2A	A
											UT 0	NUT 23	SC 15	R0785	C0052	LBM	08/23/83	L-RHXR2A	A
											UT45	NUT 23	SC 15	R0786	C0055	LBM	08/23/83	L-RHXR2A LMT-SCAN 3,5,E6	A
01	RHRHX	RHR4000000015A	0	CA	SH	CHM2404	01	S	00.00	0.000	UT 0	NUT 23	SC 15	R0784	C0052	LBM	08/23/83	L-RHXR2A	A
											UT45	NUT 23	SC 15	R0787	C0055	LBM	08/23/83	L-RHXR2A LMT- NO SCAN 4	A
01	RHRHX	RHR4000000017A	0	CA	PW	CHM2404	01	S	00.00	1.000	UT 0	NUT 23	SC 15	R0785	C0052	LBM	08/23/83	L-RHXR2A	A
											UT45	NUT 23	SC 15	R0788	C0055	LBM	08/23/83	L-RHXR2A LMT-SCAN 4	A
01	RHRHX	RHR4000000019A	0	CE	CS	CHM2404	01	S	00.00	1.000	VT	NVT 01		R0704		RMB	07/29/83	L-RHXR2A	A
01	RHRP	RHRPH-0003202	0	CE	CS	ISI0099	01		00.00	0.000	VT	NVT 01		R0782		RMB	06/03/83	L-RPR2A NOI#SQ0023	R
01	RHRP	RHRPH-0003202	1	CE	CS	ISI0099	01		00.00	0.000	VT	NVT 01		R1714		MSE	09/27/83	L-RPR2A	A
01	RHRP	RHRPH-0003208	0	CE	CS	ISI0099	01		00.00	0.000	VT	NVT 01		R1179		MSE	07/20/83	L-RPR2A #185	A
01	RHX	RHX4000000001	0	CE	CS	ISI0065	03	S	00.00	0.000	VT	NVT 01		R0704		LDK	08/21/83	L-R04R NOI#SQ0050	R
01	RHX	RHX4000000001	1	CE	CS	ISI0065	03	S	00.00	0.000	VT	NVT 01		R1713		LBM	09/25/83	L-R04R	A
01	RHX	RHX4000000001A	0	CC	IA	ISI0065	03	S	00.00	0.000	PT	NPT 04		R0459		CGT	03/12/83	L-R04R .375 THK LUGS(3)	A
01	RHX	RHX4000000002	0	CE	CS	ISI0066	03	S	00.00	0.000	VT	NVT 01		R0782		LDK	08/29/83	L-R04R NOI#SQ0054	R
01	RHX	RHX4000000002	1	CE	CS	ISI0065	03	S	00.00	0.000	VT	NVT 01		R1712		LBM	09/25/83	L-R04R	A
01	RHX	RHX3000000001	0	CA	HW	ISI0065	01	S	09.63	0.938	PT	NPT 04		R0460		TLS	08/12/83	L-R04R	A
01	RHX	RHX3000000002	0	CA	TW	ISI0065	01	S	09.62	0.938	PT	NPT 04		R1139		WJD	09/15/83	L-R04R	A
01	RHX	RHX3000000003	0	CA	TW	ISI0065	01	S	09.26	0.756	PT	NPT 04		R1140		TLS	09/15/83	LMT-BEST EFFORT PT SEE REQUEST FOR RELIEF	A

SYS	SYSTM	EXAM AREA	RS & CAT	TYP	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RHX	RHX0000000004	0	CA	HW	ISI0056	01	S	09.26	0.756	PT	NPT 04		R0451		WJD	08/12/83 L-R88R	A
01	RV	CHNUT#0000001	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000003	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0499		JCS	08/15/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000004	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0499		JCS	08/15/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000006	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0499		JCS	08/15/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000007	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0499		JCS	08/15/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000008	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0499		JCS	08/15/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000009	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0499		JCS	08/15/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000015	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000019	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000020	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000021	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000022	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0537		JCS	08/19/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000023	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000024	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000025	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000026	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000028	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000027	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000030	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000031	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000032	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0537		JCS	08/19/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000033	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0000035	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83 L-UC TVA IMPOSED INSP	A

SYC	SYSTM	EXAM AREA	REQ	CCD CAT	TYP	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	CAL REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RV	CHNUT#0003035	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003037	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0499		JCS	08/15/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003038	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0587		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003039	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0499		JCS	08/15/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003040	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0587		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003044	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0587		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003045	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0587		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003046	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0587		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003047	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0587		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003051	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0687		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003052	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0687		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003055	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0587		JCS	08/19/83	L-UC TVA IMPOSED INSP	A
01	RV	CHNUT#0003060	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0550		JCS	08/17/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003001	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0594		LDK	08/23/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003004	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003005	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0594		LDK	08/23/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003006	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0594		LDK	08/23/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003009	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003010	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0594		LDK	08/23/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003012	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0594		LDK	08/23/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003013	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0594		LDK	08/23/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003014	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0594		LDK	08/23/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003016	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0594		LDK	08/23/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003017	0	BG1	CB	CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A

SYST	SYSTM	EXAM AREA	REQ CAT	TYP	DRAWING	SKM	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	RV	CHSTUD#0003029	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003027	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0696		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003030	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003031	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003032	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0696		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003034	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0720		LDK	08/25/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003035	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0729		LDK	08/25/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003036	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0729		LDK	08/25/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003037	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0595		GKL	08/22/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003041	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0696		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003042	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0595		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003045	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0595		GKL	08/22/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003046	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003047	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003051	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0596		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	CHSTUD#0003052	D	BG1	CB CHM2341	01	C	00.00	7.000	MT	NMT 03		R0696		LDK	08/24/83	L-UC TVA IMPOSED INSP	A
01	RV	INTERIOR	D	BN1	BM N/A	00	S	00.00	0.000	UT	NUT 01		R1043		BGR	08/13/83	L-UC NDI#SQ0072 SMI-0-68 -12 USE-AS-IS USQD#83-24	A
01	RV	U-INTERNALS	D	N/A	BM N/A	00	S	00.00	0.000	UT	NUT 01		R1044		RMR	08/03/83	L-UC NDI#SQ0073 SMI-0-68 -12 USE-AS-IS USQD#83-24	A
01	RV	UPIW0000003023	D	BF	CW ISI0014	01	B	05.00	0.625	PT	NPT 04		R1154		BGR	08/15/83	L-UC	A
										UT45	SQUT27 SC 22		R1153	C0073	LRM	08/15/83	L-UC	A
01	RX	RCW0000003022	D	BJ	BW ISI0008	01	S	14.00	1.406	PT	NPT 04		R0742		GDF	08/27/83	L-LC	A
01	RX	RC00000003002	D	BJ	CW ISI0003	01	S	27.50	2.590	PT	NPT 04		R0394		TLS	08/10/83	L-LC	A
										UT45	SQUT27 SC 48		R0456	C0015	FSH	08/11/83	L-LC	A
01	RX	RC00000003003	D	BJ	CW ISI0003	01	S	31.00	2.990	PT	NPT 04		R0567		CGT	08/21/83	L-LC	A

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SYST	EXAM AREA	REF #	COD CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01 RX	RC0000000003	0	BJ	CW	ISI0003	01	S	31.00	2.990	UT45	SQUT27	SQ 48	R0729	C0041	LBM	08/25/83	L-LC	A
01 RX	RC0000000004	0	BJ	CW	ISI0003	01	S	31.00	2.990	PT	NPT 04		R0569		WJD	09/21/83	L-LC	A
										UT45	SQUT27	SQ 48	R0730	C0041	LBM	08/26/83	L-LC	A
01 RX	RC0000000015I	0	BJ	CW	ISI0003	01	S	27.50	2.500	PT	NPT 04		R0396		WJD	08/10/83	L-LC	A
										UT45	SQUT27	SQ 48	R0454	C0015	FSW	08/11/83	L-LC	A
01 RX	RC0000000015Z	0	BJ	CW	ISI0003	01	S	27.50	2.500	PT	NPT 04		R0397		TLS	08/10/83	L-LC	A
										UT45	SQUT27	SQ 48	R0455	C0015	FSW	08/11/83	L-LC LMT- SCAN 3D 9:30 & 10:30 FOR PT SEE R0396	A
01 RX	RC0000000025E	0	BF	SE	ISI0003	01	S	27.50	2.500	PT	NPT 04		R0394		TLS	08/10/83	L-LC	A
										UT45	SQUT27	SQ 49	R0456	C0015	FSW	08/11/83	L-LC	A
01 RX	RC0000000035E	0	BF	SE	ISI0003	01	S	31.00	2.990	PT	NPT 04		R0569		CGT	09/21/83	L-LC	A
										UT45	SQUT27	SQ 48	R0729	C0041	LBM	08/25/83	L-LC	A
01 RX	2TE30-0003001	0	BJ	BW	ISI0006	02	S	02.50	0.000	PT	NPT 04		R0305		WJD	08/10/83	L-LC	A
01 SG	C#1MWCBLTS	0	BG2	MB	MSG0002	01	C	00.00	1.880	VT	NVT 01		R0361		LEW	08/05/83	L-LC 168OLTS EXAMINED IN PLACE	A
01 SG	C#2MWCBLTS	0	BG2	MB	MSG0002	01	C	00.00	1.880	MT	NMT 03		R0211		LEW	07/29/83	L-LC 158OLTS IE8#82-02 N OI#SQ0020	R
										VT	NVT 01		R0210		LEW	07/29/83	L-LC 158OLTS IE8#82-02 N OI#SQ0019	R
01 SG	C#2MWCBLTS	1	BG2	MB	MSG0002	01	C	00.00	1.880	MT	NMT 03		R0241		JCG	07/31/83	L-LC 158OLTS IE8#82-02	A
										VT	NVT 01		R0242		JCG	07/31/83	L-LC 158OLTS IE8#82-02	A
01 SG	C#2SGTUBNS	0	BQ	ST	FIG0005	00	I	00.88	0.050	ET	IN 05		R1249		DLS	08/02/83	L-LC 33 TUBES EXAMINED NO TUBES RECORDING DEFECTS	A
01 SG	C#3MWCBLTS	0	BG2	MB	MSG0002	01	C	00.00	1.880	MT	NMT 03		R0211		LEW	07/29/83	L-LC 158OLTS IE8#82-02 N OI#SQ0020	R
										VT	NVT 01		R0210		LEW	07/29/83	L-LC 158OLTS IE8#82-02 N OI#SQ0020	R
01 SG	C#3MWCBLTS	1	BG2	MB	MSG0002	01	C	00.00	1.880	MT	NMT 03		R0241		JCG	07/31/83	L-LC 158OLTS IE8#82-02	A
										VT	NVT 01		R0242		JCG	07/31/83	L-LC 158OLTS IE8#82-02	A
01 SG	C#3SGTUBNS	0	BQ	ST	FIG0007	00	I	00.88	0.050	ET	IN 06		R1249		DLS	08/02/83	L-LC 395 TUBES NAD, 1 TUBE PLUGGED (R2-C94)	A
01 SG	C#4MWCBLTS	0	BG2	MB	MSG0002	01	C	00.00	1.880	VT	NVT 01		R0360		LEW	08/05/83	L-LC 168OLTS EXAMINED IN PLACE	A

SYS	SYSTM	EXAM AREA	REQ CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SG	FDW0000003001	D	CB	NW CHM2345	01	C	00.00	3.620	MT	NMT 02		R0560		JEF 08/21/83	L-LC	A
										UT 0	NUT 19 SQ 40		R0790	C0049	FSW 08/25/83	L-LC	A
										UT45	NUT 19 SQ 40		R0711	C0038	FSW 08/23/83	L-LC LMT-NO SCAN 3; NOZZL E CONFIGURATION	A
										UT30	NUT 19 SQ 40		R0713	C0039	FSW 08/24/83	L-LC LMT-NO SCAN 3; NOZZL E CONFIGURATION	A
01	SG	FDW0000003001	D	CB	IR CHM2345	01	C	00.00	3.620	UT70	NUT 02 WB 39		R0777	C0047	FSW 08/27/83	L-LC INNER RADIUS	A
01	SG	H#1MWCBLTS	D	BG2	MB MSG0002	01	C	00.00	1.700	MT	NMT 03		R1055		MSE 09/09/83	L-LC 168OLTS IEB#82-02 LSO REF REPORT R1056	A
										VT	NUT 01		R0359		LEW 08/05/83	L-LC NOI#SQ0031 168OLTS EXAMINED IN PLACE	R
01	SG	H#1MWCBLTS	1	BG2	MB MSG0002	01	C	00.00	1.380	VT	NUT 01		R1053		MSE 09/07/83	L-LC NOI#SQ0074 16POLTS IEB#82-02 BOLTING RMVD.	R
01	SG	H#1MWCBLTS	2	BG2	MB MSG0002	01	C	00.00	1.380	VT	NUT 01		R1054		MSE 09/07/83	L-LC 168OLTS IEB#82-02 4 REPLACEMENT BOLTS	A
01	SG	H#2MWCBLTS	D	BG2	MB MSG0002	01	C	00.00	1.380	MT	NMT 03		R0711		LEW 07/29/83	L-LC 158OLTS IEB#82-02 OI#SQ0020	N R
										VT	NUT 01		R0710		LEW 07/29/83	L-LC 158OLTS IEB#82-02 OI#SQ0019	N R
01	SG	H#2MWCBLTS	1	BG2	MB MSG0002	01	C	00.00	1.680	MT	NMT 03		R0741		JCS 07/31/83	L-LC 158OLTS IEB#82-02	A
										VT	NUT 01		R0742		JCS 07/31/83	L-LC 158OLTS IEB#82-02	A
01	SG	H#2SGTUBNS	D	BQ	ST FIG0004	01	I	00.00	0.050	ET	IN 06		R1248		DLS 08/02/83	L-LC 397 TUBES EXAMINED 0 TUBES RECORDING DEFECTS	N A
01	SG	H#3MWCBLTS	D	BG2	MB MSG0002	01	C	00.00	1.980	MT	NMT 03		R0310		LEW 07/29/83	L-LC 168OLTS IEB#82-02 OI#SQ0020	N R
										VT	NUT 01		R0310		LEW 07/29/83	L-LC 168OLTS IEB#82-02 OI#SQ0019	N R
01	SG	H#3MWCBLTS	1	BG2	MB MSG0002	01	C	00.00	1.980	MT	NMT 03		R0741		JCS 07/31/83	L-LC 158OLTS IEB#82-02	A
										VT	NUT 01		R0742		JCS 07/31/83	L-LC 158OLTS IEB#82-02	A
01	SG	H#3SGTUBNS	D	BQ	ST FIG0005	00	I	00.00	0.050	ET	IN 05		R1249		DLS 08/02/83	L-LC 469 TUBES EXAMINED 0 TUBES RECORDING DEFECTS	N A
01	SG	H#4MWCBLTS	D	BG2	MB MSG0002	01	C	00.00	1.380	MT	NMT 03		R1050		MSE 09/09/83	L-LC 168OLTS IEB#82-02 OI#SQ0076	N R
										VT	NUT 01		R0359		LEW 08/05/83	L-LC NOI#SQ0030 168OLTS EXAMINED IN PLACE	R
01	SG	H#4MWCBLTS	1	BG2	MB MSG0002	01	C	00.00	1.680	MT	NMT 03		R1060		MSE 09/09/83	L-LC 168OLTS IEB#82-02	A

SYS	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SG	H#4#WC#LT3	1	B32	MB	MSG0002	C1	C	00.00	1.900	UT	NUT 01		R1057		MSE	09/09/83	L-LC NOI#SQ0075 16#OLTS IEB#82-02 #OLTING RMVD.	R
01	SG	H#4#WC#LT3	2	B32	#B	MSG0002	01	C	00.00	1.900	UT	NUT 01		R1059		MSE	09/09/83	L-LC 16#OLTS IEB#82-02 4 REPLACEMENT #OLTS	A
01	SG	SGWJ0C0C0CJ041	J	SG	TW	CHM2345	01	C	00.00	5.700	UT 0	NUT 19 SQ 49	R0309	C0059	FSW	08/23/83	L-LC		A
											UT45	NUT 19 SQ 49	R0324	C0056	JCG	08/23/83	L-LC LMT-SCAN 3 & 4		A
											UT60	NUT 19 SQ 49	R0325	C0057	JCG	08/30/83	L-LC LMT-SCAN 3 & 4		A
01	SG	SGW0000000J081	0	C4	TW	CHM2345	01	C	00.00	0.000	UT 0	NUT 19 SQ 40	R0789	C0058	FSW	08/23/83	L-LC 12 FT STARTING @ 0; LMT-SCAN 2		A
											UT45	NUT 19 SQ 40	R0326	C0065	FSW	08/30/83	L-LC 12 FT STARTING @ 0; LMT-SCAN 3		A
											UT60	NUT 19 SQ 40	R0790	C0064	FSW	08/23/83	L-LC 12 FT STARTING @ 0; LMT-SCAN 3		A
01	SG	SGWJ000000J0E1	J	C4	SW	CHM2345	01	C	00.00	3.680	UT 0	NUT 19 SQ 40	R0779	C0049	FSW	08/25/83	L-LC		A
											UT45	NUT 19 SQ 40	R0712	C0038	FSW	08/23/83	L-LC LMT-SCAN 4		A
											UT60	NUT 19 SQ 40	R0714	C0039	FSW	08/24/83	L-LC LMT-SCAN 4		A
01	SG	SGWJ0000000JF1	J	C4	WW	CHM2345	01	C	00.00	4.000	UT 0	NUT 19 WB 39	R0778	C0048	FSW	08/25/83	L-LC 15FT START @ 0 DEG. CW LMT- SCAN 2		A
											UT45	NUT 19 WB 39	R0781	C0050	FSW	08/25/83	L-LC 15 FT. START @ 0 DEG . CW LMT- SCAN 4		A
											UT60	NUT 19 WB 39	R0782	C0051	FSW	08/25/83	L-LC 15 FT. START @ 0 DEG . CW LMT- SCAN 4		A
01	SI	RHRH000000J0C8	J	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0373		RMB	08/31/83	L-LC		A
01	SI	RHRH000000J009	J	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0374		RMB	08/31/83	L-LC		A
01	SI	RHRH000000J010	J	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0375		RMB	08/31/83	L-LC		A
01	SI	RHRH000000J011	J	BK2	#S	MSG0007	12	S	02.00	0.343	UT	NUT 01		R0376		RMB	08/31/83	L-LC		A
01	SI	SIF000000J121B	J	BJ	CW	ISI0002	04	S	06.00	0.718	PT	NPT 04		R0348		JEF	08/02/83	L-4AR		A
											UT45	SQUT27 SQ 01	R0510	C0001	FSW	08/04/83	L-4AR		A
01	SI	SIF0C00001128	J	BJ	CW	ISI0002	04	S	10.00	1.000	PT	NPT 04		R0716		RMB	08/26/83	L-LC		A
											UT45	SQUT27 SQ 38	R1046	C0057	MDR	09/09/83	L-LC LMT-BEST EFFORT 5&6 SCANS ONLY R0716 FOR PT		A
01	SI	SIFJ000000J1E2	J	BJ	CW	ISI0002	05	S	06.00	0.718	PT	NPT 04		R0717		MSE	08/25/83	L-2AR		A
											UT45	SQUT27 SQ 01	R0774	C0046	LBM	08/27/83	L-2AR		A
01	SI	SIFJ000000J179	J	BJ	CW	ISI0002	05	S	06.00	0.718	PT	NPT 04		R0590		CGT	08/19/83	L-LC		A

UNIT	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	CAL REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SI	SIF0003003179	3	BJ	CW	ISI0002	03	S	06.00	0.718	UT45	SQUT27	SQ 01	R0911	C0061	FSW	08/31/83	L-LC	A
01	SI	SIF0003003201	3	BJ	CW	ISI0002	07	S	03.00	0.438	PT	NPT 04		R0345		JEF	08/02/83	L-4AR	A
01	SI	SIH0003003001	0	BK2	RS	MSG0009	03	S	10.00	1.000	UT	NUT 01		R0100		JEF	07/29/83	L-1AR	A
01	SI	SIH0000003002	3	BK1	IA	MSG0007	03	S	10.00	1.000	PT	NPT 04		R1109		BGR	09/22/83	L-LC	A
01	SI	SIH0003003002	3	BK2	RS	MSG0009	03	S	10.00	1.000	UT	NUT 01		R0746		LEW	08/29/83	L-LC	A
01	SI	SIH0003003003	3	BK2	WS	MSG0009	03	S	10.00	1.000	UT	NUT 01		R1064		LEW	08/23/83	L-LC	A
01	SI	SIH0003003004	3	BK2	RS	MSG0009	03	S	10.00	1.000	UT	NUT 01		R0747		LEW	08/29/83	L-LC	A
01	SI	SIH0003003005	3	BK2	WS	MSG0009	03	S	10.00	1.000	UT	NUT 01		R0748		LEW	08/29/83	L-LC	A
01	SI	SIH0003003006	3	BK2	WS	MSG0009	03	S	10.00	1.000	UT	NUT 01		R0749		LEW	08/29/83	L-LC	A
01	SI	SIH0003003007	3	BK2	RS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R1101		RMB	09/13/83	L-LC	A
01	SI	SIH0003003008	3	BK2	RS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R0181		JEF	07/29/83	L-1AR	A
01	SI	SIH0003003009	3	BK2	RS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R0182		JEF	07/29/83	L-1AR	A
01	SI	SIH0003003010	3	CE	RS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R1174		BGR	09/13/83	L-4FR	A
01	SI	SIH0003003011	0	CE	MS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R0791		LEW	08/29/83	L-4FR NOI#SQ0053	R
01	SI	SIH0003003011	1	CE	MS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R1207		BGR	09/13/83	L-4FR NOI#SQ0087 USE-AS-IS USQD#83-28	A
01	SI	SIH0003003012	3	CE	RS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R0792		LEW	08/29/83	L-4FR	A
01	SI	SIH0003003013	3	CE	MS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R0793		LEW	08/29/83	L-4FR	A
01	SI	SIH0003003014	3	CE	RS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R0794		LEW	08/29/83	L-4FR	A
01	SI	SIH0003003015	3	CE	MS	MSG0009	03	S	06.00	0.718	UT	NUT 01		R0795		LEW	08/29/83	L-4FR	A
01	SI	SIH0003003016	3	CE	RS	MSG0007	03	S	06.00	0.718	UT	NUT 01		R0796		LEW	08/29/83	L-4FR	A
01	SI	SIH0003003017	3	CE	RS	MSG0009	02	S	08.00	0.812	UT	NUT 01		R0322		JEF	07/31/83	L-4AR	A
01	SI	SIH0003003018	3	CC	IA	MSG0007	02	S	08.00	0.812	PT	NPT 04		R0722		MSE	08/25/83	L-4AR	A
01	SI	SIH0003003018	3	CE	RS	MSG0009	02	S	08.00	0.812	UT	NUT 01		R0323		JEF	07/31/83	L-4AR	A
01	SI	SIH0003003019	3	CE	RS	MSG0009	02	S	08.00	0.812	UT	NUT 01		R0324		JEF	07/31/83	L-4AR	A

SYS	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SI	SIH0000000020	0	BK2	RS	MSG0009	02	S	06.00	0.718	UT	NUT 01		R1102		RMB	09/15/83	L-LC	A
01	SI	SIH0000000021	0	BK2	RS	MSG0009	02	S	06.00	0.718	UT	NUT 01		R1103		RMB	09/15/83	L-LC	A
01	SI	SIH0000000022	0	BK1	IA	MSG0009	02	S	10.00	1.000	PT	NPT 04		R0371		MSE	09/30/83	L-LC	A
01	SI	SIH0000000022	0	BK2	RS	MSG0009	02	S	10.00	1.000	UT	NUT 01		R0750		LEW	09/23/83	L-LC	A
01	SI	SIH0000000023	0	BK2	MS	MSG0009	02	S	10.00	1.000	UT	NUT 01		R0751		LEW	09/23/83	L-LC	A
01	SI	SIH0000000024	0	BK1	IA	MSG0009	02	S	10.00	1.000	PT	NPT 04		R0872		MSE	09/30/83	L-LC	A
01	SI	SIH0000000024	0	BK2	RS	MSG0009	02	S	10.00	1.000	UT	NUT 01		R0752		LEW	09/28/83	L-LC	A
01	SI	SIH0000000025	0	BK2	RS	MSG0009	02	S	10.00	1.000	UT	NUT 01		R0325		JEF	07/31/83	L-4AR	A
01	SI	SIH0000000026	0	BK2	RS	MSG0009	02	S	10.00	1.000	UT	NUT 01		R0326		JEF	07/31/83	L-4AR	A
01	SI	SIH0000000027	0	BK2	MS	MSG0009	02	S	10.00	1.000	UT	NUT 01		R0327		JEF	07/31/83	L-4AR	A
01	SI	SIH0000000031	0	BK2	MS	MSG0009	05	S	02.00	0.343	UT	NUT 01		R0104		JEF	07/29/83	L-1AR NOI#S00017	R
01	SI	SIH0000000031	1	BK2	MS	MSG0009	05	S	02.00	0.343	UT	NUT 01		R1047		RMB	09/01/83	L-1AR	A
01	SI	SIH0000000032	0	BK2	MS	MSG0009	05	S	02.00	0.343	UT	NUT 01		R0103		JEF	07/23/83	L-1AR	A
01	SI	SIH0000000033	0	BK2	MS	MSG0009	05	S	02.00	0.343	UT	NUT 01		R1147		MSE	09/15/83	L-3AR	A
01	SI	SIH0000000034	0	BK	MS	MSG0009	05	S	02.00	0.343	UT	NUT 01		R1148		MSE	09/15/83	L-3AR	A
01	SI	SIH0000000041	0	CE	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0550		MSE	08/13/83	L-LC	A
01	SI	SIH0000000042	0	CE	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0294		MSE	08/04/83	L-2FR	A
01	SI	SIH0000000043	0	CE	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0295		MSE	08/04/83	L-2FR	A
01	SI	SIH0000000044	0	CE	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0572		MSE	09/22/83	L-2FR	A
01	SI	SIH0000000045	0	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0561		MSE	08/18/83	L-RBAR	A
01	SI	SIH0000000047	0	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0562		MSE	08/18/83	L-RBAR	A
01	SI	SIH0000000048	0	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0563		MSE	08/18/83	L-RBAR	A
01	SI	SIH0000000047	0	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0564		MSE	08/18/83	L-RBAR	A
01	SI	SIH0000000050	0	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0565		MSE	08/18/83	L-RBAR	A

CAT	SYSTM	EXAM AREA	REQ	COD CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SI	SIHD000000D051	D	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0797		LEW	08/23/83	L-1AR	A
01	SI	SIHD000000D052	D	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0559		MSE	08/19/83	L-4FR	A
01	SI	SIHD000000D053	D	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0584		MSE	08/09/83	L-4FR	A
01	SI	SIHD000000D054	D	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0586		MSE	08/09/83	L-4FR	A
01	SI	SIHD000000D055	D	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0840		JEF	07/31/83	L-4AR NDI#SQC022	R
01	SI	SIHD000000D055	1	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R1051		RMB	09/01/83	L-4AR	A
01	SI	SIHD000000D056	D	CE	RS	MSG0009	05	S	08.00	0.812	UT	NUT 01		R0828		JEF	07/31/83	L-4AR	A
01	SI	SIHD000000D057	D	CE	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0837		MSE	08/03/83	L-3AR	A
01	SI	SIHD000000D058	D	CE	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0766		MSE	08/03/83	L-3AR	A
01	SI	SIHD000000D059	D	CE	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0709		MSE	08/03/83	L-3AR NDI#SQ0026	R
01	SI	SIHD000000D059	1	CE	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R1052		LBM	09/23/83	L-3AR	A
01	SI	SIHD000000D060	D	CE	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0706		MSE	08/03/83	L-3AR	A
01	SI	SIHD000000D061	D	BK2	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0789		MSE	08/03/83	L-3AR	A
01	SI	SIHD000000D064	D	BK2	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0777		RMB	08/31/83	L-LC	A
01	SI	SIHD000000D065	D	BK2	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0753		LEW	08/23/83	L-LC	A
01	SI	SIHD000000D066	D	E	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0754		LEW	08/23/83	L-LC	A
01	SI	SIHD000000D067	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R1100		LBM	09/22/83	L-LC	A
01	SI	SIHD000000D068	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R1104		RMB	09/13/83	L-LC	A
01	SI	SIHD000000D069	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0755		LEW	08/27/83	L-LC	A
01	SI	SIHD000000D070	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0507		MSE	08/20/83	L-LC	A
01	SI	SIHD000000D071	D	BK2	RS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0756		LEW	08/27/83	L-LC	A
01	SI	SIHD000000D075	D	CE	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0508		MSE	08/23/83	L-2AR	A
01	SI	SIHD000000D076	D	CE	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		P0792		LEW	08/23/83	L-2AR	A
01	SI	SIHD000000D077	D	CE	MS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0509		MSE	08/20/83	L-2AR	A

CYC	SYSTM	EXAM AREA	REQ CAT	TYP	DRAWING	SHT	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SI	SIH0000000307B	D	BK2	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0978		RM3 03/31/83 L-LC	A
01	SI	SIH0000000307F	D	BK2	RS	MSG0009	05	S	06.00	0.718	UT	NUT 01		R0757		LEW 08/23/83 L-LC	A
01	SI	SIH0000000310A	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0758		LEW 08/23/83 L-LC	A
01	SI	SIH0000000310C	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0759		LEW 08/23/83 L-LC	A
01	SI	SIH0000000310E	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0760		LEW 08/23/83 L-LC	A
01	SI	SIH0000000310G	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0761		LEW 08/23/83 L-LC	A
01	SI	SIH0000000310J	D	BK2	RS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0510		MSE 08/20/83 L-2AR	A
01	SI	SIH0000000310K	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0511		MSE 08/20/83 L-2AR	A
01	SI	SIH0000000310M	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0512		MSE 08/20/83 L-2AR	A
01	SI	SIH0000000311P	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0513		MSE 08/20/83 L-2AR	A
01	SI	SIH0000000311S	D	BK2	RS	MSG0009	05	S	02.00	0.343	UT	NUT 01		R1141		BGR 09/15/83 L-4AR	A
01	SI	SIH0000000311U	D	BK2	RS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0378		RM3 03/31/83 L-LC	A
01	SI	SIH0000000311W	D	BK2	MS	MSG0009	05	S	10.00	1.000	UT	NUT 01		R0762		LEW 08/23/83 L-LC	A
01	SI	SIH0000000315D	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0299		LEW 08/28/83 L-LC	A
01	SI	SIH0000000315I	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0300		LEW 08/28/83 L-LC	A
01	SI	SIH0000000315J	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0301		LEW 08/23/83 L-LC	A
01	SI	SIH0000000315J	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0185		JEF 07/28/83 L-1AR	A
01	SI	SIH0000000315K	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0186		JEF 07/28/83 L-1AR	A
01	SI	SIH0000000315S	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0187		JEF 07/28/83 L-1AR	A
01	SI	SIH0000000315S	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0368		MSE 08/09/83 L-4FR	A
01	SI	SIH0000000315T	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0369		MSE 08/09/83 L-4FR	A
01	SI	SIH0000000315B	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0370		MSE 08/09/83 L-4FR	A
01	SI	SIH0000000315Y	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0371		MSE 08/09/83 L-4FR	A
01	SI	SIH0000000316D	D	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0372		MSE 08/09/83 L-4FR	A

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TENNESSEE VALLEY AUTHORITY, DIVISION NUCLEAR POWER
1753 CHESTNUT STREET TOWER II CHATTANOOGA, TENNESSEE 37402
SEQUOYAH NUCLEAR PLANT
P. O. BOX 2000 DAISY, TENNESSEE
UNIT 2 COMMERCIAL SERVICE DATE 06/01/82

SYS	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SH #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SI	SIH3000003161	3	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0373		MSE	08/03/83	L-4FR	A
01	SI	SIH3000003162	3	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0329		JEF	07/31/83	L-4AR	A
01	SI	SIH3000003163	3	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0330		JEF	07/31/83	L-4AR	A
01	SI	SIH3000003164	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		P01P8		JEF	07/23/83	L-RW	A
01	SI	SIH3000003165	3	BK2	RS	MSG0009	07	S	03.00	0.438	UT	NUT 01		R0339		JEF	07/31/83	L-4AR NII#SQ0021	R
01	SI	SIH3000003165	1	BK2	RS	MSG0009	07	S	03.00	0.438	UT	NUT 01		R1178		LEW	07/20/83	L-4AR	A
01	SI	SIH3000003166	3	BK2	RS	MSG0009	07	S	03.00	0.438	UT	NUT 01		R0331		JEF	07/31/83	L-4AR	A
01	SI	SIH3000003167	3	BK2	RS	MSG0009	07	S	03.00	0.438	UT	NUT 01		R0333		JEF	07/31/83	L-4AR	A
01	SI	SIH3000003168	3	BK2	RS	MSG0009	07	S	03.00	0.438	UT	NUT 01		R0334		JEF	07/31/83	L-4AR	A
01	SI	SIH3000003169	3	BK2	RS	MSG0009	11	S	01.50	0.281	UT	NUT 01		R0332		JEF	07/31/83	L-4AR	A
01	SI	SIH3000003170	3	BK2	RS	MSG0009	11	S	01.50	0.281	UT	NUT 01		R1075		RMH	07/13/83	L-LC	A
01	SI	SIH3000003171	3	BK2	RS	MSG0009	11	S	01.50	0.281	UT	NUT 01		R0302		LEW	08/23/83	L-LC	A
01	SI	SIH3000003172	3	BK2	RS	MSG0009	11	S	01.50	0.281	UT	NUT 01		R0303		LEW	08/23/83	L-LC	A
01	SI	SIH3000003173	3	BK2	RS	MSG0009	11	S	01.50	0.281	UT	NUT 01		R0304		LEW	08/23/83	L-LC	A
01	SI	SIH3000003174	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0335		JEF	07/31/83	L-4AR	A
01	SI	SIH3000003175	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		P01P9		JEF	07/23/83	L-RW	A
01	SI	SIH3000003175	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0190		JEF	07/23/83	L-RW	A
01	SI	SIH3000003204	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0357		MSE	08/03/83	L-3AR	A
01	SI	SIH3000003205	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0358		MSE	08/03/83	L-3AR	A
01	SI	SIH3000003206	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0359		MSE	08/03/83	L-3AR	A
01	SI	SIH3000003207	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0370		MSE	08/03/83	L-3AR	A
01	SI	SIH3000003208	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0309		RMH	07/23/83	L-RW	A
01	SI	SIH3000003209	3	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0191		JEF	07/23/83	L-RW	A
01	SI	SIH3000003210	3	BK2	RS	MSG0009	03	S	01.50	0.281	UT	NUT 01		R0305		LEW	08/23/83	L-LC	A

SYS	EXAM AREA	REQ #	CODE CAT	ITEM	DRAWING	SHT #	PART	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01 SI	SIH0000000211	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0206		LEW	08/23/83	L-LC	A
01 SI	SIH0000000212	0	BK2	RS	MSG000	09	S	01.50	0.281	UT	NUT 01		R1105		RM3	09/13/83	L-LC	A
01 SI	SIH0000000213	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R1075		RM3	09/12/83	L-LC	A
01 SI	SIH0000000214	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0614		MSE	09/20/83	L-2AR	A
01 SI	SIH0000000215	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0390		RM3	08/31/83	L-2AR	A
01 SI	SIH0000000216	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0391		MSE	08/04/83	L-2FR	A
01 SI	SIH0000000217	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0392		MSE	08/04/83	L-2FR	A
01 SI	SIH0000000218	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0393		MSE	08/04/83	L-2FR	A
01 SI	SIH0000000219	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0108		MSE	08/05/83	L-2FR NDI#SQC025	R
01 SI	SIH0000000220	1	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R1177		LRM	09/20/83	L-2FR	A
01 SI	SIH0000000222	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0389		MSE	08/04/83	L-2FR	A
01 SI	SIH0000000221	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0390		MSE	08/04/83	L-2FR	A
01 SI	SIH0000000222	0	BK2	RS	MSG0009	09	S	01.50	0.281	UT	NUT 01		R0371		MSE	08/03/83	L-3AR	A
01 SI	SIH0000000223	0	BK2	RS	MSG0009	10	S	01.50	0.281	UT	NUT 01		R0307		LEW	08/23/83	L-LC	A
01 SI	SIH0000000224	0	BK2	RS	MSG0009	10	S	01.50	0.281	UT	NUT 01		R0308		LEW	08/23/83	L-LC	A
01 SI	SIH0000000225	0	BK2	RS	MSG0009	10	S	01.50	0.281	UT	NUT 01		R0309		LEW	08/23/83	L-LC	A
01 SI	SIH0000000226	0	BK2	RS	MSG0009	10	S	01.50	0.281	UT	NUT 01		R0310		LEW	08/23/83	L-LC	A
01 SI	SIH0000000227	0	BK2	RS	MSG0009	10	S	01.50	0.281	UT	NUT 01		R0372		MSE	08/03/83	L-3AR	A
01 SI	SIH0000000228	0	BK2	RS	MSG0009	10	S	01.50	0.281	UT	NUT 01		R0373		MSE	08/03/83	L-3AR	A
01 SI	SIH0000000229	0	BK2	RS	MSG0009	07	S	02.50	0.375	UT	NUT 01		R0374		MSE	08/03/83	L-3AR	A
01 SI	SIH0000000318	0	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0381		RM3	08/31/83	L-LC	A
01 SI	SIH0000000319	0	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0382		RM3	08/31/83	L-LC	A
01 SI	SIH0000000320	0	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0383		RM3	08/31/83	L-LC	A
01 SI	SIH0000000353	0	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0384		RM3	08/31/83	L-LC	A

ITEM	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SI	SIH0000000364	0	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0385		RM3	08/31/83	L-LC	A
01	SI	SIH0000000365	0	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0386		RM3	08/31/83	L-LC	A
01	SI	SIH0000000365	0	BK2	RS	MSG0009	12	S	02.00	0.343	UT	NUT 01		R0387		RM3	08/31/83	L-2FR	A
01	SI	SIH0000000415	0	CE	WS	MSG0009	05	S	16.00	0.500	UT	NUT 01		R0403		JEF	08/13/83	L-RHXR2A	A
01	SI	SIH0000000415	0	CE	RS	MSG0009	05	S	16.00	0.500	UT	NUT 01		R0401		JEF	08/13/83	L-RHXR2A	A
01	SI	SIH0000000421	0	CE	RS	MSG0009	01	S	08.00	0.322	UT	NUT 01		R0570		JEF	08/13/83	L-RHXR2B	A
01	SI	SIH0000000422	0	CE	RS	MSG0009	01	S	08.00	0.322	UT	NUT 01		R0582		JEF	08/09/83	L-RHXR2B	A
01	SI	SIH0000000423	0	CE	RS	MSG0009	01	S	08.00	0.322	UT	NUT 01		R0583		JEF	08/09/83	L-RHXR2B	A
01	SI	SIH0000000424	0	CC	IA	MSG0009	01	S	08.00	0.322	PT	NPT 04		R0556		JEF	08/13/83	L-RHXR2B	A
01	SI	SIH0000000424	0	CE	RS	MSG0009	01	S	08.00	0.322	UT	NUT 01		R0570		JEF	08/13/83	L-RHXR2B	A
01	SI	SIH0000000425	0	CE	RS	MSG0009	01	S	08.00	0.322	UT	NUT 01		R0552		JEF	08/03/83	L-PC590	A
01	SI	SIH0000000426	0	CE	RS	MSG0009	01	S	08.00	0.322	UT	NUT 01		R0553		JEF	08/06/83	L-PC590	A
01	SI	SIH0000000427	0	CE	RS	MSG0009	01	S	08.00	0.322	UT	NUT 01		R0403		JEF	08/15/83	L-PC590	A
01	SI	SIH0000000428	0	CE	RS	MSG0009	01	S	08.00	0.322	UT	NUT 01		R0404		JEF	08/15/83	L-PC590	A
01	SI	SIH0000000429	0	CE	RS	MSG0009	01	S	08.00	0.312	UT	NUT 01		R0405		JEF	08/15/83	L-PC590	A
01	SI	SIH0000000430	0	CE	RS	MSG0009	05	S	08.00	0.322	UT	NUT 01		R0571		JEF	08/13/83	L-RHXR1B	A
01	SI	SIH0000000431	0	CE	MS	MSG0009	05	S	08.00	0.322	UT	NUT 01		R0339		LBM	07/24/23	L-PC590	
01	SI	SIH0000000446	0	CE	RS	MSG0009	05	S	16.00	0.500	UT	NUT 01		R0402		JEF	08/13/83	L-RHXR2A	A
01	SI	SIH0000000450	0	CE	MS	MSG0009	05	S	08.00	0.322	UT	NUT 01		RC495		JEF	08/15/83	L-PC590	A
01	SI	SIH0000000451	0	CE	RS	MSG0009	05	S	08.00	0.322	UT	NUT 01		RC350		LBM	07/24/83	L-PC590	A
01	SI	SIH0000000452	0	CE	RS	MSG0009	05	S	08.00	0.322	UT	NUT 01		RC521		JEF	08/15/83	L-RHXR2A	A
01	SI	SIH0000000453	0	CE	WS	MSG0009	05	S	08.00	0.322	UT	NUT 01		RC520		JEF	08/15/83	L-RHXR2A NDI#SQ00043	R
01	SI	SIH0000000453	1	CE	WS	MSG0009	05	S	08.00	0.322	UT	NUT 01		R1143		MSE	09/15/83	L-RHXR2A	A
01	SI	SIH0000000454	0	CE	WS	MSG0009	04	S	08.00	0.322	UT	NUT 01		R0522		JEF	08/16/83	L-RHXR2A	A

SYS	SYSTM	EXAM AREA	REF	COD CAT	TYP	DRAWING	SHE	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SI	SIH0000000455	0	CE	RS	MSG0009	04	S	08.00	0.322	UT	NUT 01		RC[illegible]		JEF	03/15/83	L-RHXR2A	A
01	SI	SIH0000000456	0	CE	RS	MSG0009	04	S	08.00	0.322	UT	NUT 01		RC[illegible]		JEF	08/15/83	L-RHXR2A	A
01	SI	SIH0000000457	0	CE	RS	MSG0009	04	S	08.00	0.322	UT	NUT 01		RC525		JEF	08/15/83	L-RHXR2A	A
01	SI	SIH0000000458	0	CE	RS	MSG0009	04	S	08.00	0.322	UT	NUT 01		RC497		JEF	03/15/83	L-PC590	A
01	SI	SIH0000000459	0	CE	RS	MSG0009	04	S	08.00	0.322	UT	NUT 01		RC498		JEF	03/15/83	L-PC590	A
01	SI	SIH0000000460	0	CE	RS	MSG0009	04	S	08.00	0.322	UT	NUT 01		RC496		JEF	08/08/83	L-PC590	A
01	SI	SIS0000000015	0	CF	CW	ISI0002	01	S	08.00	0.322	PT	NPT 04		RC243		LE4	08/02/83	L-PC590	A
01	SI	SIS0000000017	0	CF	CW	ISI0002	01	S	08.00	0.812	PT	NPT 04		RC244		LE4	08/02/83	L-PC590	A
												UT45	SQUT27	SQ 02	RC580	C0216	FSW	08/13/83	L-PC590	A
01	SI	SIS0000000019	0	CF	CW	ISI0002	01	S	08.00	0.812	PT	NPT 04		RC506		MSE	08/15/83	L-PC590	A
												UT45	SQUT27	SQ 02	RC581	C0216	FSW	08/13/83	L-PC590	A
01	SI	SIS0000000021	0	CF	CW	ISI0002	02	S	08.00	0.322	PT	NPT 04		RC507		MSE	08/15/83	L-PC590	A
01	SI	SIS0000000035	0	CF	CW	ISI0002	02	S	08.00	0.812	PT	NPT 04		RC508		MSE	08/15/83	L-PC590	A
												UT45	SQUT27	SQ 02	RC582	C0216	FSW	08/13/83	L-PC590	A
01	SI	SIS0000000236	0	BJ	CW	ISI0002	05	S	06.00	0.718	PT	NPT 04		RC719		MSE	08/25/83	L-1AR	A
												UT45	SQUT27	SQ 01	RC775	C0046	LBM	08/27/83	L-1AR	A
01	SI	SIS0000000236A	0	BJ	SW	ISI0002	05	S	02.00	0.343	PT	NPT 04		RC719		MSE	08/25/83	L-1AR	A
01	SI	SIS0000000238	0	BJ	CW	ISI0002	05	S	06.00	0.718	PT	NPT 04		RC548		GDF	08/03/83	L-LC	A
												UT45	SQUT27	SQ 01	RC555	C0035	LBM	08/17/83	L-LC	A
01	SI	SIS0000000274	0	BJ	CW	ISI0002	05	S	06.00	0.718	PT	NPT 04		RC720		MSE	08/25/83	L-3AR	A
												UT45	SQUT27	SQ 01	RC776	C0046	LBM	08/27/83	L-3AR	A
01	SI	SIS0000000283	0	BJ	CW	ISI0002	05	S	06.00	0.719	PT	NPT 04		RC591		WJD	08/17/83	L-LC	A
												UT45	SQUT27	SQ 01	RC599	C0034	FSW	08/22/83	L-LC	A
01	SI	SIS0000000302	0	BJ	CW	ISI0002	05	S	06.00	0.718	PT	NPT 04		RC721		RM3	08/25/83	L-LC	A
												UT45	SQUT27	SQ 01	RC715	C0034	FSW	08/22/83	L-LC	A
01	SI	SIS0000000324	0	BJ	CW	ISI0002	07	S	03.00	0.438	PT	NPT 04		RC246		JEF	08/02/83	L-4AR	A
01	SI	SIS0000000322	0	BJ	CW	ISI0002	07	S	03.00	0.438	PT	NPT 04		RC247		JEF	08/02/83	L-4AR	A
01	SI	SIC0000001125	0	BJ	SW	ISI0002	03	S	01.50	0.281	PT	NPT 04		RC549		RM3	08/03/83	L-LC	A

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SYS	SYSTM	EXAM AREA	REQ CAT	ITEM NO	DRAWING	SHT	MAT	SIZE	THICK	MT	NO.	CAL BLOCK NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	SI	SI03000001127	D	BJ	SW ISI0002	03	S	01.50	0.281	PT	NPT 04		R0550		GDF 08/03/83	L-LC	A
01	SI	SI03000001131	D	BJ	SW ISI0002	03	S	01.50	0.281	PT	NPT 04		R0351		GDF 03/03/83	L-LC	A
01	SI	SI03000001135	D	BJ	SW ISI0002	03	S	01.50	0.281	PT	NPT 04		R1113		MSE 09/14/83	L-LC	A
01	SI	SI03000001915	D	BJ	SW ISI0002	09	S	01.50	0.281	PT	NPT 04		R0316		WJD 08/23/83	L-LC	A
01	SI	SI03000001920	D	BJ	SW ISI0002	09	S	01.50	0.281	PT	NPT 04		R0317		WJD 08/23/83	L-LC	A
01	SI	SI03000001925	D	BJ	SW ISI0002	09	S	01.50	0.281	PT	NPT 04		R0319		GDF 08/23/83	L-LC	A
01	SI	SI03000001928	D	BJ	SW ISI0002	09	S	01.50	0.281	PT	NPT 04		R0319		MSE 08/23/83	L-2AR	A
01	SI	SI03000001985	D	BJ	SW ISI0002	10	S	01.50	0.281	PT	NPT 04		R0375		MSE 08/05/83	L-3AR	A
01	SI	SI03000001987	D	BJ	SW ISI0002	10	S	01.50	0.281	PT	NPT 04		R0520		CGT 08/23/83	L-LC	A
01	SI	SI03000001991	D	BJ	SW ISI0002	10	S	01.50	0.281	PT	NPT 04		R0521		CGT 08/23/83	L-LC	A
01	SI	SI03000001995	D	BJ	SW ISI0002	10	S	01.50	0.281	PT	NPT 04		R0522		CGT 08/20/83	L-LC	A
01	SI	SI03000001701	D	BJ	SW ISI0002	11	S	01.50	0.281	PT	NPT 04		R0422		GDF 03/13/83	L-LC	A
01	SI	SI03000001705	D	BJ	SW ISI0002	11	S	01.50	0.281	PT	NPT 04		R0423		GDF 08/13/83	L-LC	A
01	SI	SI03000001913	D	BJ	SW ISI0002	11	S	01.50	0.281	PT	NPT 04		R0548		CGT 08/17/83	L-LC	A
01	SI	SI03000114300	D	BG2	FW ISI0002	03	S	01.50	0.281	UT	NUT 01		R0707		JEF 07/28/83	L-1AR	A
01	SI	63-0000003067	D	BG2	VB ISI0002	04	S	10.00	1.000	UT	NUT 01		R0712		JEF 07/31/83	L-4AR	A
01	SI	63-0000003113	D	BG2	VB ISI0002	05	S	10.00	1.000	UT	NUT 01		R0580		MSE 08/09/83	L-1AR	A
01	SI	63-0000003560	D	BG2	VB ISI0002	05	S	10.00	1.000	UT	NUT 01		R1741		RMB 08/17/83	L-LC	A
01	SI	63-0000003565	D	BG2	VB ISI0002	04	S	10.00	1.000	UT	NUT 01		R0432		RMB 08/11/83	L-LC	A
01	SI	63-0000003622	D	BG2	VB ISI0002	05	S	10.00	1.000	UT	NUT 01		R0453		RMB 08/11/83	L-LC NDI#S00336 USE-AS-IS US0D883-26	A
01	SI	63-0000003625	D	BG2	VB ISI0002	04	S	10.00	1.000	UT	NUT 01		R0431		RMB 08/11/83	L-LC	A
01	SI	63-0000003635	D	BG2	VB ISI0002	05	S	06.00	0.718	UT	NUT 01		R0308		JEF 07/23/83	L-1AR	A
01	UHI	UHIH000003001	D	BK2	RS MS03014	01	S	12.00	1.125	UT	NUT 01		R0727		JEF 09/30/83	L-RW	A
01	UHI	UHIH000003002	D	BK2	RS MS03014	01	S	12.00	1.125	UT	NUT 01		R0728		JEF 09/30/83	L-RW	A

CY	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	UHI	UHI4000003003	0	BK2	RS	MSG0014	C1	S	12.00	1.125	UT	NUT 01		R0329		JEF	08/30/83	L-RW	A
01	UHI	UHI4000003004	0	BK2	RS	MSG0014	C1	S	12.00	1.125	UT	NUT 01		R0330		JEF	08/30/83	L-LC	A
01	UHI	UHI4000003005	0	BK2	RS	MSG0014	C1	S	12.00	1.125	UT	NUT 01		R0331		JEF	08/30/83	L-LC	A
01	UHI	UHI4000003006	0	BK2	WS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0332		JEF	08/30/83	L-LC	A
01	UHI	UHI4000003007	0	BK2	MS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0333		JEF	08/30/83	L-LC	A
01	UHI	UHI4000003008	0	BK2	RS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0334		JEF	08/30/83	L-LC	A
01	UHI	UHI4000003009	0	BK2	MS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0335		JEF	08/30/83	L-LC	A
01	UHI	UHI4000003010	0	BK2	MS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0308		JEF	03/31/83	L-LC NDI#SQ0056	R
01	UHI	UHI4000003010	1	BK2	MS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R1114		BGR	09/14/83	L-LC	A
01	UHI	UHI4000003011	0	BK2	MS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0309		JEF	08/31/83	L-LC	A
01	UHI	UHI4000003012	0	BK2	WS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0310		JEF	08/31/83	L-LC	A
01	UHI	UHI4000003013	0	BK2	MS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0391		JEF	08/31/83	L-LC NDI#S00057	R
01	UHI	UHI4000003013	1	BK2	MS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R1178		LBM	09/20/83	L-LC	A
01	UHI	UHI4000003014	0	BK2	MS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0392		JEF	08/31/83	L-UC	A
01	UHI	UHI4000003015	0	BK2	MS	MSG0014	C3	S	03.00	0.906	UT	NUT 01		R1328		JNS	09/26/83	L-UC	A
01	UHI	UHI4000003016	0	BK2	MS	MSG0014	C3	S	08.00	0.906	UT	NUT 01		R1180		BGR	09/21/83	L-UC	A
01	UHI	UHI4000003017	0	BK2	WS	MSG0014	C3	S	08.00	0.906	UT	NUT 01		R1231		LBM	09/23/83	L-UC	A
01	UHI	UHI4000003019	0	BK2	MS	MSG0014	C3	S	08.00	0.906	UT	NUT 01		R1197		BGR	09/20/83	L-UC NDI#S00085 USE-AS-IS USQD#83-28	A
01	UHI	UHI4000003019	0	BK2	MS	MSG0014	C3	S	08.00	0.906	UT	NUT 01		R1191		BGR	09/19/83	L-UC	A
01	UHI	UHI4000003022	0	BK2	MS	MSG0014	C3	S	08.00	0.906	UT	NUT 01		R1173		BGR	09/19/83	L-UC	A
01	UHI	UHI4000003023	0	BK2	MS	MSG0014	C3	S	08.00	0.906	UT	NUT 01		R1172		BGR	09/19/83	L-UC	A
01	UHI	UHI4000003024	0	BK2	RS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0336		JEF	08/30/83	L-LC	A
01	UHI	UHI4000003025	0	BK2	RS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0337		JEF	08/30/83	L-LC	A
01	UHI	UHI4000003026	0	BK2	WS	MSG0014	C3	S	08.00	0.812	UT	NUT 01		R0338		JEF	08/30/83	L-LC	A

SYC	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	UHI	UHI4000000027	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0339		JEF	08/30/83	L-LC	A
01	UHI	UHI4000000028	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0340		JEF	08/30/83	L-LC	A
01	UHI	UHI4000000029	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0341		JEF	08/30/83	L-LC	A
01	UHI	UHI4000000030	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0342		JEF	08/30/83	L-LC	A
01	UHI	UHI4000000031	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0343		JEF	08/30/83	L-LC	A
01	UHI	UHI4000000032	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0344		JEF	08/30/83	L-LC	A
01	UHI	UHI4000000033	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0393		JEF	08/31/83	L-LC	A
01	UHI	UHI4000000034	0	BK1	IA	MSG0014	03	S	08.00	0.312	PT	NPT 04		R0317		JEF	09/01/83	L-LC	A
01	UHI	UHI4000000034	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0394		JEF	08/31/83	L-LC	A
01	UHI	UHI4000000035	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0395		JEF	08/31/83	L-LC NOI#SQ0058	R
01	UHI	UHI4000000035	1	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R1115		BGR	09/14/83	L-LC	A
01	UHI	UHI4000000036	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0396		JEF	08/31/83	L-LC	A
01	UHI	UHI4000000037	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0398		JEF	08/31/83	L-LC	A
01	UHI	UHI4000000038	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R0397		JEF	08/31/83	L-UC NOI#SQ0059	R
01	UHI	UHI4000000038	1	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R1116		BGR	09/14/83	L-UC	A
01	UHI	UHI4000000039	0	BK2	MS	MSG0014	03	S	08.00	0.312	VT	NVT 01		R1102		LBM	09/21/83	L-UC	A
01	UHI	UHI4000000040	0	BK2	MS	MSG0014	03	S	08.00	0.906	VT	NVT 01		R1185		BGF	09/20/83	L-UC	A
01	UHI	UHI4000000041	0	BK2	MS	MSG0014	03	S	08.00	0.906	VT	NVT 01		R1186		GRB	09/19/83	L-UC	A
01	UHI	UHI4000000042	0	BK2	MS	MSG0014	03	S	08.00	0.906	VT	NVT 01		R1197		BGF	09/20/83	L-UC	A
01	UHI	UHI4000000045	0	BK2	MS	MSG0014	03	S	08.00	0.906	VT	NVT 01		R1198		GRB	09/19/83	L-UC	A
01	UHI	UHI4000000046	0	BK2	MS	MSG0014	03	S	08.00	0.906	VT	NVT 01		R1199		BGF	09/19/83	L-UC NOI#SQ0086 USE-AS-IS USQD#82-28	A
01	UHI	UHI4000000047	0	BK2	RS	MSG0014	01	S	12.00	1.125	VT	NVT 01		R0345		JEF	08/30/83	L-LC	A
01	UHI	UHI4000000060	0	BK2	RS	MSG0014	01	S	12.00	1.125	VT	NVT 01		R0346		JEF	08/30/83	L-RW	A
01	UHI	UHI4000000061	0	BK2	RS	MSG0014	01	S	12.00	1.125	VT	NVT 01		R0347		JEF	08/30/83	L-RW	A

CF	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	UHI	UHIH000000062	0	BK2	RS	MSG0014	C1	S	12.00	1.125	UT	NUT 01		R0948		JEF	09/30/83	L-RW	A
01	UHI	UHIH000000063	0	BK2	RS	MSG0014	C1	S	12.00	1.125	UT	NUT 01		R0949		JEF	09/30/83	L-LC	A
01	UHI	UHIH000000064	0	BK2	RS	MSG0014	C1	S	12.00	1.125	UT	NUT 01		R0950		JEF	09/30/83	L-LC	A
01	UHI	UHIH000000065	0	BK2	RS	MSG0014	C2	S	12.00	1.125	UT	NUT 01		R0951		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000066	0	BK2	RS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0952		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000067	0	BK2	RS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0953		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000068	0	BK2	RS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0798		JEF	08/31/83	L-LC	A
01	UHI	UHIH000000069	0	BK2	RS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0799		JEF	08/31/83	L-LC	A
01	UHI	UHIH000000070	0	BK2	RS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0800		JEF	08/31/83	L-LC	A
01	UHI	UHIH000000071	0	BK2	RS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0801		JEF	08/31/83	L-LC	A
01	UHI	UHIH000000072	0	BK2	RS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0802		JEF	08/31/83	L-LC NCI#SQ0360	R
01	UHI	UHIH000000072	1	BK2	RS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R1117		HDR	09/14/83	L-LC	A
01	UHI	UHIH000000073	0	BK2	RS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1130		LBM	09/20/83	L-UC	A
01	UHI	UHIH000000074	0	BK2	RS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1189		GRB	09/13/83	L-UC	A
01	UHI	UHIH000000075	0	BK2	RS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1227		JNS	09/25/83	L-UC	A
01	UHI	UHIH000000076	0	BK2	RS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1183		BJM	09/21/83	L-UC	A
01	UHI	UHIH000000077	0	BK2	RS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1184		BJM	09/21/83	L-UC	A
01	UHI	UHIH000000090	0	BK2	RS	MSG0014	C2	S	05.00	0.625	UT	NUT 01		R1191		GRB	09/13/83	L-UC	A
01	UHI	UHIH000000092	0	BK2	RS	MSG0014	C1	S	02.00	0.343	UT	NUT 01		R0354		JEF	09/30/83	L-RW	A
01	UHI	UHIH000000094	0	BK2	RS	MSG0014	C1	S	02.00	0.343	UT	NUT 01		R0355		JEF	09/30/83	L-RW	A
01	UHI	UHIH000000095	0	BK2	RS	MSG0014	C1	S	02.00	0.343	UT	NUT 01		R0356		JEF	09/30/83	L-RW	A
01	UHI	UHIH000000096	0	BK2	RS	MSG0014	C1	S	02.00	0.343	UT	NUT 01		R0357		JEF	09/30/83	L-RW	A
01	UHI	UHIH000000100	0	CE	RS	MSG0014	C4	S	12.00	1.125	UT	NUT 01		R0046		RMB	07/25/83	L-AEB	A
01	UHI	UHIH000000101	0	CC	IA	MSG0014	C4	S	12.00	1.125	PT	NPT 04		R0016		LBM	07/25/83	L-AEB	A

SYS	SYSTM	EXAM AREA	REQ #	COD CAT	ITEM #	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	UHI	UHIH000000101	0	CE	MS	MSG0014	04	S	12.00	1.125	UT	NUT 01		R0007		LBM	07/23/83	L-AEB	A
01	UHI	UHIH000000102	0	CC	IA	MSG0014	04	S	12.00	1.125	PT	NPT 04		R0325		LBM	08/05/83	L-AEB	A
01	UHI	UHIH000000103	0	CE	RS	MSG0014	04	S	12.00	1.125	UT	NUT 01		R0008		LBM	07/23/83	L-AEB	A
01	UHI	UHIH000000105	0	CE	US	MSG0014	04	S	12.00	1.125	UT	NUT 01		R0009		LBM	07/23/83	L-AEB	A
01	UHI	UHIH000000104	0	CC	IA	MSG0014	04	S	12.00	1.125	PT	NPT 04		R0326		LBM	08/05/83	L-AEB	A
01	UHI	UHIH000000104	0	CE	RS	MSG0014	04	S	12.00	1.125	UT	NUT 01		R0010		LBM	07/23/83	L-AEB	A
01	UHI	UHIH000000105	0	CC	IA	MSG0014	04	S	12.00	1.125	PT	NPT 04		R0327		LBM	08/05/83	L-AEB	A
01	UHI	UHIH000000105	0	CE	MS	MSG0014	04	S	12.00	1.125	UT	NUT 01		R0011		LBM	07/23/83	L-AEB	A
01	UHI	UHIH000000106	0	CE	RS	MSG0014	04	S	12.00	1.125	UT	NUT 01		R0045		RMB	07/25/83	L-AEB	A
01	UHI	UHIH000000130	0	BK2	MS	MSG0014	02	S	05.00	0.625	UT	NUT 01		R1171		BGF	09/13/83	L-UC	A
01	UHI	UHIH000000131	0	BK2	RS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0358		JEF	08/29/83	L-LC NOI#SQ00055	R
01	UHI	UHIH000000131	1	BK2	RS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R1119		BGR	09/14/83	L-LC	A
01	UHI	UHIH000000132	0	BK2	RS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0359		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000133	0	BK2	MS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0366		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000134	0	BK2	US	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0360		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000135	0	BK2	RS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0361		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000135	0	BK2	RS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0362		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000137	0	BK2	US	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0365		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000138	0	BK2	MS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0367		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000139	0	BK2	MS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0364		JEF	08/30/83	L-LC	A
01	UHI	UHIH000000140	0	BK2	MS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0703		JEF	08/31/83	L-LC NOI#SQ00061	R
01	UHI	UHIH000000140	1	BK2	MS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R1117		BGR	09/14/83	L-LC	A
01	UHI	UHIH000000141	0	BK2	US	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0704		JEF	08/31/83	L-LC	A
01	UHI	UHIH000000142	0	BK2	MS	MSG0014	02	S	08.00	0.312	UT	NUT 01		R0705		JEF	08/31/83	L-LC	A

CYC	SYSTM	EXAM AREA	REQ #	COD CAT	TYP	DRAWING	SHM	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	UHI	UHIH000000143	0	BK2	MS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0905		JEF	08/31/83	L-LC NOI#SQ0062	R
01	UHI	UHIH000000143	1	BK2	MS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R1120		MDR	09/14/83	L-LC	A
01	UHI	UHIH000000144	0	BK2	MS	MSG0014	C2	S	08.00	0.812	UT	NUT 01		R0907		JEF	08/31/83	L-UC	A
01	UHI	UHIH000000145	0	BK2	MS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1192		BGF	09/13/83	L-UC	A
01	UHI	UHIH000000146	0	BK2	MS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1193		BGF	09/23/83	L-UC	A
01	UHI	UHIH000000147	0	BK2	MS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1194		BGF	09/13/83	L-UC	A
01	UHI	UHIH000000148	0	BK2	MS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1149		BGF	09/13/83	L-UC	A
01	UHI	UHIH000000149	0	BK2	MS	MSG0014	C2	S	08.00	0.906	UT	NUT 01		R1150		BGF	09/13/83	L-UC	A
01	UHI	UHIH000000152	0	BK2	MS	MSG0014	C2	S	05.00	0.625	UT	NUT 01		R1195		GRB	09/13/83	L-UC NOI#SQ0083 USE-AS-IS USQD#83-28	A
01	UHI	UHIH000000153	0	BK2	MS	MSG0014	C2	S	05.00	0.625	UT	NUT 01		R1196		GRB	09/13/83	L-UC NOI#SQ0084 USE-AS-IS USQD#83-28	A
01	UHI	UPIF000000017	0	CF	CW	ISI0001	C1	S	12.00	1.125	PT	NPT 04		R0073		LEW	07/25/83	L-RW	A
											UT45	SQUT27	SQ 03	R0564	C0027	FSW	08/21/83	L-RW	A
01	UHI	UPIF000000019	0	BJ	CW	ISI0001	C1	S	12.00	1.125	PT	NPT 04		R0076		LEW	07/27/83	L-RW	A
											UT45	SQUT27	SQ 03	R0334	C0004	EWS	08/05/83	L-RW	A
01	UHI	UPIF000000021	0	BJ	CW	ISI0001	C1	S	12.00	1.125	PT	NPT 04		R0203		MSE	08/03/83	L-LC	A
											UT45	SQUT27	SQ 03	R0342	C0004	EWS	08/03/83	L-LC	A
01	UHI	UPIF000000023	0	BJ	CW	ISI0001	C1	S	12.00	1.125	PT	NPT 04		R0429		MSE	08/11/83	L-LC	A
											UT45	SQUT27	SQ 03	R0563	C0027	FSW	08/21/83	L-LC	A
01	UHI	UPIF000000043	0	CF	CW	ISI0001	C2	S	12.00	1.125	PT	NPT 04		R0171		LEW	07/27/83	L-RW	A
											UT45	SQUT27	SQ 03	R0337	C0004	EWS	08/05/83	L-RW	A
01	UHI	UPIF000000045	0	BJ	CW	ISI0001	C2	S	12.00	1.125	PT	NPT 04		R0173		LEW	07/27/83	L-RW	A
											UT45	SQUT27	SQ 03	R0338	C0004	EWS	08/05/83	L-RW	A
01	UHI	UPIF000002BBC	0	BG2	FB	ISI0001	C1	S	09.00	0.906	PT	NPT 07		R1163		LDK	09/17/83	L-UC IEB#82-02	A
											VT	NUT 01		R1155		LDK	09/17/83	L-UC IEB#82-02	A
01	UHI	UPIF000003180	0	BG2	FB	ISI0001	C1	S	09.00	0.906	PT	NPT 07		R1164		LDK	09/17/83	L-UC IEB#82-02	A
											VT	NUT 01		R1156		LDK	09/17/83	L-UC IEB#82-02	A
01	UHI	UPIF000003680	0	BG2	FB	ISI0001	C1	S	09.00	0.906	PT	NPT 07		R1166		LDK	09/17/83	L-UC IEB#82-02	A

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EXAM SYST	SYSTM	EXAM AREA	REQ #	CAT	TYP	DRAWING	SHT #	MAT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	UHI	UPIF000003680	D	B-G-2	F-B	ISI0001	C1	S	08.00	0.906	VT	NVT 01		R1159		LDK 09/17/83 L-UC	IEB#82-02	A
01	UHI	UPIF000003380	D	B-G-2	F-B	ISI0001	C2	S	08.00	0.906	PT	NPT 07		R1158		LDK 09/15/83 L-UC	IEB#82-02	A
											VT	NVT 01		R1159		LDK 09/15/83 L-UC	IEB#82-02	A
01	UHI	UPIF000003500	D	B-G-2	F-B	ISI0001	C2	S	08.00	0.906	PT	NPT 07		R1157		LDK 09/15/83 L-UC	IEB#82-02	A
											VT	NVT 01		R1160		LDK 09/15/83 L-UC	IEB#82-02	A
01	UHI	UPIF000003000	D	B-G-2	F-B	ISI0001	C2	S	08.00	0.906	PT	NPT 07		R1169		LDK 09/15/83 L-UC	IEB#82-02	A
											VT	NVT 01		R1161		LDK 09/16/83 L-UC	IEB#82-02	A
01	UHI	UPIF000003380	D	B-G-2	F-B	ISI0001	C2	S	08.00	0.906	PT	NPT 07		R1170		LDK 09/15/83 L-UC	IEB#82-02	A
											VT	NVT 01		R1162		LDK 09/16/83 L-UC	IEB#82-02	A
01	UHI	UPIS000000D0188	D	B-J	S-W	ISI0001	C1	S	02.00	0.343	PT	NPT 04		R0072		LEW 07/25/83 L-RW		A
01	UHI	UPIS000000D019	D	B-J	C-W	ISI0001	C1	S	12.00	1.125	PT	NPT 04		R0175		LEW 07/25/83 L-RW		A
											UT45	SQUT27 SQ 03		R0335	C0004	EWS 08/05/83 L-RW		A
01	UHI	UPIS000000D020	D	B-J	C-W	ISI0001	C1	S	12.00	1.125	PT	NPT 04		R0172		LEW 07/27/83 L-RW		A
											UT45	SQUT27 SQ 03		R0336	C0004	EWS 08/05/83 L-RW		A
01	UHI	UPIS000000D023	D	B-J	C-W	ISI0001	C1	S	12.00	1.125	PT	NPT 04		R0430		MSE 08/11/83 L-LC		A
											UT45	SQUT27 SQ 03		R0562	C0027	FSW 08/21/83 L-LC		A
01	UHI	UPIS000000D051	D	B-J	C-W	ISI0001	C2	S	12.00	1.125	PT	NPT 04		R1052		RMB 09/09/83 L-RW		A
											UT45	SQUT27 SQ 03		R1066	C0059	MDR 09/13/83 L-RW		A
01	UHI	UPIS000000D053	D	B-J	C-W	ISI0001	C2	S	12.00	1.125	PT	NPT 04		R0174		LEW 07/27/83 L-RW		A
											UT45	SQUT27 SQ 03		R0339	C0004	EWS 08/05/83 L-RW		A
01	UHI	UPIS000000D054	D	B-J	C-W	ISI0001	C2	S	12.00	1.125	PT	NPT 04		R0354		MSE 08/02/83 L-LC		A
											UT45	SQUT27 SQ 03		R0340	C0004	EWS 08/05/83 L-LC		A
01	UHI	UPIS000000D056	D	B-J	C-W	ISI0001	C2	S	12.00	1.125	PT	NPT 04		R0589		MSE 08/19/83 L-LC		A
											UT45	SQUT27 SQ 03		R0551	C0027	FSW 08/21/83 L-LC		A
01	UHI	UPID000001272	D	B-J	S-W	ISI0001	C1	S	02.00	0.343	PT	NPT 04		R0074		LEW 07/25/83 L-RW		A
01	UHI	1UPIF000001BC	D	B-G-2	F-B	ISI0001	C1	S	08.00	0.906	PT	NPT 07		R1165		LDK 09/17/83 L-UC	IEB#82-02	A
											VT	NVT 01		R1157		LDK 09/17/83 L-UC	IEB#82-02	A
01	UHI	87-0000000558	D	B-G-2	V-B	ISI0001	C1	S	08.00	0.906	PT	NPT 07		R0818		JEF 09/23/83 L-UC	IEB#82-02	A
											VT	NVT 01		R0819		JEF 09/23/83 L-UC	IEB#82-02	A
01	UHI	87-0000001559	D	B-G-2	V-B	ISI0001	C1	S	08.00	0.905	VT	NVT 01		R1151		LDK 09/17/83 L-UC		A
01	UHI	87-0000003560	D	B-G-2	V-B	ISI0001	C2	S	08.00	0.906	VT	NVT 01		R1152		LDK 09/17/83 L-UC		A

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UNIT	SYSTM	EXAM AREA	RES #	COD CAT	TYP	DRAWING	SHP	ACT	SIZE	THICK	NDE METH	PROC NO.	CAL BLOCK NO.	REPT NO.	CAL REPT NO.	INP	DATE	COMMENTS	RES
01	UHI	07-000300003561	0	BG2	VB	ISI0001	01	S	08.00	0.906	PT	NPT 07		R0320		JEF	08/29/83	L-UC IEB#82-02	A
											VT	NVT 01		R0321		JEF	09/23/83	L-UC IEB#82-02	A
01	UHI	07-000000003562	0	BG2	VB	ISI0001	01	S	12.00	1.125	PT	NPT 04		R1204		MSE	09/23/83	L-RW IEB#82-02	A
											VT	NVT 01		R1205		MSE	09/23/83	L-RW IEB#82-02	A
01	UHWA	UHWAH03000003001	0	CC	IA	ISI0070	01	C	00.00	0.000	MT	NMT 02		R0704		JCG	08/25/83	L-AE3 12 FT STARTING @ 0	A
01	UHWA	UHWA000000003001	0	CB	WW	ISI0070	01	C	00.00	3.125	MT	NMT 02		R0538		JEF	08/23/83	L-AE3	A
											UT 0	NUT 19	SQ 41	R0592	C0036	JCG	09/23/83	L-AE8	A
											UT45	NUT 19	SQ 41	R0593	C0037	JCG	09/23/83	L-AE5 LMT-NO SCAN 4 DUE T O NOZZLE CONFIGURATION	A
											UT60	NUT 19	SQ 41	R0591	C0035	JCG	08/23/83	L-AE3 LMT-NO SCAN 4 DUE T O NOZZLE CONFIGURATION	A
01	UHWA	UHWA000000003002	0	CB	WW	ISI0070	01	C	00.00	4.740	UT 0	NUT 19	SQ 49	R0590	C0031	JCG	08/22/83	L-AE3 LMT- SCAN 2	A
											UT45	NUT 19	SQ 49	R0565	C0029	JCG	08/20/83	L-AE3 REF. REPORT #R0681 LMT- 90E180 DEG ALL SCANS	A
											UT60	NUT 19	SQ 49	R0566	C0029	JCG	08/20/83	L-AE8 REF. REPORT #R0592 LMT- 90E180 DEG ALL SCANS	A

Owner. Tennessee Valley Authority
Division of Nuclear Power
1750 Chestnut Street Tower II
Chattanooga, Tennessee 37401

Plant: Sequoyah Nuclear Plant
P. O. Box 2000
Daisy, Tennessee

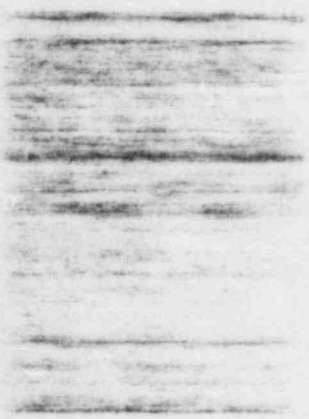
Plant Unit: 2

Owner Certificate of Authorization: Not Required

Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

The unit 2, cycle 1 in-service examination at Sequoyah Nuclear Plant included a total of 87 "Notification of Indication" (NOI) reports during the duration of examination. All NOIs were dispositioned in accordance with SI-114.2, section 17.0 and satisfactorily reinspected with the exception of 15 examinations which were dispositioned with an Unreviewed Safety Question Determination (USQD). Components were reviewed by Field Services, Mechanical Engineering Group to use in an "as is" condition. USQDs are made as an attachment to applicable NOIs.



Owner: Tennessee Valley Authority
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1750 Chestnut Street Tower II
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Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

PART

SEQUOYAH NUCLEAR PLANT

UNIT 2, CYCLE 1 - SUMMARY OF INDICATIONS

Indication	Piping	Supports	Vessels	Pumps	Total
Arc Strike		2			2
Bolt Engagement		1			1
Broken Parts		1			1
Cleanliness	9	1	4		4
Defective Bolting	1		5	5	11
Hydraulic Fluid Low/Leaking		4			4
Inconsistent Bolting	1	1			2
Linear Indication	1				1
Loose Parts		33			33
Missing Parts		6			6
Out-of-Range Settings		10			10
Rounded Indications	1				1
Weld Separation		1			1
Total	13	60			87
Percent	15%	69%	10%	6%	100%

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Division of Nuclear Power
1750 Chestnut Street Tower II
Chattanooga, Tennessee 37401

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P. O. Box 2000
Daisy, Tennessee

Plant Unit: 2

Owner Certificate of Authorization: Not Required

Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-001	Hanger 2-RHRH-408 R-006 Missing Cotter Pin	MR-A-037886 R-0698 for Reinspection
SQ-002	Hanger 2-CSH-440 R-0022 Loose Nut	MR-037886 R-0697 for Reinspection
SQ-003	Hanger 2-RHRH-451 R-0031 Four Loose Locknuts	MR-A-037886 R-0745 for Reinspection
SQ-004	Hanger 2-RHRH-452 R-0032 Loose Nut, Broken Spherical Bearing	MR-A-112055 R-0042 for Reinspection
SQ-005	Hanger 2-MSH-390 R-0033 Loose Nut	MR-A-037886 R-0700 for Reinspection
SQ-006	Hanger 2-FDH-245, Missing Cotter Pin, R-0053	MR-A-037886 R-0701 for Reinspection
SQ-007	Weld 2-CVC-1045, Fourteen Rounded Indications R-0077	MR-A-112052 R-0527 for Reinspection
SQ-008	Weld 2-CVC-1253 R-0078 One-Inch Linear Indication	MR-A-112053 R-0528 for Reinspection
SQ-009	Hanger 2-MSH-308 R-0092 Five Loose Nuts	MR-A-037886 R-0699 for Reinspection

Owner: Tennessee Valley Authority
Division of Nuclear Power
1750 Chestnut Street Tower II
Chattanooga, Tennessee 37401

Plant: Sequoyah Nuclear Plant
P. O. Box 2000
Daisy, Tennessee

Plant Unit: 2

Owner Certificate of Authorization: Not Required

Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0010	Hanger 2-MSH-429 R-0093 Bolts not Carrying Weight of Plate	MR-A-037886 R-1203 for Reinspection
SQ-0011	Hanger 2-MSH-310 R-0094 No Fluid in Sight Glass	SI-162-2 R-1229 for Reinspection
SQ-0012	Hanger 2-MSH-311 R-0095 Loose Locknut	MR-A-037886 R-1050 for Reinspection
SQ-0013	Hanger 2-MSH-315 R-0096 Loose Locknut	MR-A-037886 R-1049 for Reinspection
SQ-0014	Hanger 2-MSH-315 R-0097 Loose Locknut	MR-A-037886 R-1048 for Reinspection
SQ-0015	Hanger 2-MSH-431 R-0098 Loose Locknut Cotter Pin Missing 5/16" Space on Base Plate	MR-A-037886 R-1202 for Reinspection
SQ-0016	Hanger 2-CVCH-126 R-0179 Arc Strike	MR-A-112051 R-0529 for Reinspection
SQ-0017	Hanger 2-SIH-31 R-0184 Loose Nut	MR-A-037886 R-1047 for Reinspection

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Owner: Tennessee Valley Authority
Division of Nuclear Power
1750 Chestnut Street Tower II
Chattanooga, Tennessee 37401

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P. O. Box 2000
Daisy, Tennessee

Plant Unit: 2

Owner Certificate of Authorization: Not Required

Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0018	Hanger 2-RHRH-423 R-0195 Loose Locknut	MR-A-037886 R-0773 for Reinspection
SQ-0019	Bolting (Steam Generator Nos. 2 and 3), R-0210, Ten Unacceptable Bolts	MR-A-111817 R-0242 for Replacement Bolting
SQ-0020	Bolting (Steam Generator Nos. 2 and 3), R-0211, 1-MT Indication	MR-A-111817 R-0241 for Replacement Bolt
SQ-0021	Hanger 2-SIH-165 R-0239 Arc Strikes	MR-A-112056 R-1176 for Reinspection
SQ-0022	Hanger 2-SIH-55 R-0240 Rust on Welds and Loose Nuts	MR-A-037886 R-1051 for Reinspection
SQ-0023	Hanger 2-RHRPH-2A-A R-0282 Bolts Missing	MR-A-037886 R-1214 for Reinspection
SQ-0024	Hanger 2-RHRH-404 R-0218 Inconsistent Washers	MR-A-037886 R-1209 for Reinspection
SQ-0025	Hanger 2-SIH-219 R-0308 Weld Separated	MR-A-112057 R-1177, See Reinspection Report

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Commercial Service Date: 1 June 1982

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SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0026	Hanger 2-SIH-59 R-0309 Loose Wall Anchor	MR-A-037886 R-1232, See Reinspection Report
SQ-0027	Seal Assembly No. 1, R-0316, R.C.P. No. 3	No Reinspection Performed N.O.I Dispositioned to Use USQD - 83-25 "as is", Se R-0316
SQ-0028	Seal Assembly No. 2, R-0317, R.C.P. No. 3	MR-A-086443 R-0329 for Reinspection
SQ-0029	Seal Assembly No. 3, R-0318, R.C.P. No. 3	MR-A-086443 R-0328 for Reinspection
SQ-0030	Steam Generator No. 4, Hot Leg Manway Cover, R-0358 Boron Leakage	MR-A-111820 R-1057, See New NOI-SQ-0075
SQ-0031	Steam Generator No. 1, Hot Leg Manway Cover, R-0359 Boron Leakage	MR-A-111819 R-1053, See New NOI SQ-0074
SQ-0032	Seal Assembly No. 2, R-0407, R.C.P. No. 1	MR-A-086441 R-0410 for Reinspection
SQ-0033	Seal Assembly No. 3, R-0408, R.C.P. No. 1	MR-A-086441 R-0409 for Reinspection

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Owner Certificate of Authorization: Not Required

Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0034	Hanger 2-MSH-353 R-0434 Loose Bolt	MR-A-037886 R-1144 for Reinspection
SQ-0035	Hanger 2-FDH-322 R-0448 Loose Bolt	MR A-037886 R-0868 for Reinspection
SQ-0036	Valve Bolting, 63-622 R-0453 Corroded Washers	No Reinspection, Use "As Is", See USQD-83-26
SQ-0037	Hanger 2-FDH-240 R-0467 Loose Nut	MR-A-037886 R-0867 for Reinspection
SQ-0038	Hanger 2-MSH-342 R-0476 Loose Nut	MR-A-037886 R-1130 for Reinspection
SQ-0039	Hanger 2-MSH-343 R-0477 No Fluid in Sight Glass	MR-A-037039 R-1210 for Reinspection
SQ-0040	Hanger 2-MSH-421 R-0481 Locking Ring Loose	MR-A-037886 R-1133 for Reinspection
SQ-0041	Hanger 2-MSH-423 R-0482 Locking Ring Loose	MR-A-037886 R-1128 for Reinspection
SQ-0042	Hanger 2-MSH-423 R-0483 Evidence of Leakage	MR-A-037886 R-1134 for Reinspection

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Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Dispostion Complete
SQ-0043	Hanger 2-SIH-453 R-0520 No Load Indicated	MR-A-037886 R-1143 for Reinspection
SQ-0044	Flange Bolting RCS-148 BC R-0551, Boron Leakage	MR-A-037886 R-1077 for Reinspection
SQ-0045	Flange Bolting, CVC 1057/1057A R-0552, Boron Leakage	Reinspected on R-1109, See New NOI SQ 0080
SQ-0046	Bolting 62-660 R-0553 Inconsistency Washers	No Reinspection Performed, See USQD 83-27
SQ-0047	Hanger 2-RHRH-447 R-0575 Loose Nut	MR-A-037886 R-1145 for Reinspection
SQ-0048	Hanger 2-RHRH-469 R-0585 Loose Nut	MR-A-037886 R-1175 for Reinspection
SQ-0049	RHR Valve 2-74-1 R-0683 Corrosion on Bolting	MR-A-107364 R-0685 for Reinspection
SQ-0050	Hanger RHXH-1 R-0684 Loose Nuts	MR-A-037886 R-1213 for Reinspection
SQ-0051	RC Valve 68-541 R-0702 Corrosion on Bolting	Re-NOI-SQ-0081 R-1136 Pitting on Bolts

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Plant Unit: 2

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Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0052	RC Valve 68-508 R-0703 Corrosion on Bolting	Re-NOI, SQ-0081 R-1136 Pitting on Bolts
SQ-0053	Hanger 2-SIH-11 R-0791 Stroke Setting	MR-A-037886 RE-NOI, See SQ-0087
SQ-0054	Hanger 2-RHXH-2 R-0822 Loose Nut, Interference	MR-A-037886 R-1212 for Reinspection
SQ-0055	Hanger 2-UHIH-131 R-0858 Loose Nut	No MR Issued, R-1118 for Reinspection
SQ-0056	Hanger 2-UHIH-10 R-0888 Loose Nut	MR-A-037886 R-1114 for Reinspection
SQ-0057	Hanger 2-UHIH-13 R-0891 Loose Nut	MR-A-037886 R-1178 for Reinspection
SQ-0058	Hanger 2-UHIH-35 R-0895 Loose Jam Nut	MR-A-037886 R-115 for Reinspection
SQ-0059	Hanger 2-UHIH-38 R-0897 Loose Nut	MR-A-037886 R-1116 for Reinspection
SQ-0060	Hanger 2-UHIH-72 R-0902 Loose Jam Nut	MR-A-037886 R-1117 for Reinspection

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Daisy, Tennessee

Plant Unit: 2

Owner Certificate of Authorization: Not Required

Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0061	Hanger 2-UHIH-140 R-0903 Missing Cotter Pin	MR-A-037886 R-1119 for Reinspection
SQ-0062	Hanger 2-UHIH-143 R-0906 Loose Jam Nut	MR-A-037886 R-1120 for Reinspection
SQ-0063	Hanger 2-RCH-133 R-0946 Stroke Setting Low	See USQD-83-28, No Reinspection Performed
SQ-0064	Hanger 2-RCH-147 R-0960 Loose Nut on Clamp	MR-A-037866 R-1121 for Reinspection
SQ-0065	Hanger 2-RCH-165 R-0963 Loose Nut on Clamp	MR-A-037886 R-1122 for Reinspection
SQ-0066	Hanger 2-RCH-192 R-0976 Missing Cotter Pin	MR-A-037886 R-1123 for Reinspection
SQ-0067	Hanger 2-RCH-240 R-0989 Loose Nut	MR-A-37886 R-1124 for Reinspection
SQ-0068	Hanger 2-RCH-250 R-0993 Loose Nut on Pipe Clamp	MR-A-037886 R-1125 for Reinspection
SQ-0069	Hanger 2-RCH-251 R-0994 No Load on Hanger and Loose Nuts	MR-A-037886 R-1226 for Reinspection

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Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0070	Hanger 2-RCH-894 R-1034 No Load on Spring Hanger	No MR issued, R-1146 for Reinspection
SQ-0071	Hanger 2-RCH-920 R-1036 Loose Jam Nut	MR-A-037886 R-1126 for Reinspection
SQ-0072	Lower Reactor Vessel Internals, R-1043, Paint Chips	No Reinspection Performed, See USQD 83-24
SQ-0073	Reactor Vessel Upper Internals, R-1044, Paint Flakes	No Reinspection Performed, See USQD-83-24
SQ-0074	Steam Generator No. 1, Manway Bolting and Bolts Rejected, R-1053	MR-A-111819 R-1054, See USQD-83-25
SQ-0075	Steam Generator No. 4, Manway Bolting, Six Bolts Rejected, R-1057	MR-111820 R-1059, See USQD-83-25
SQ-0076	Steam Generator No. 4, Manway Bolting, R-1058, Linear Indication	MR-A-111820 R-1060 for Reinspection
SQ-0077	RPV No. RV1-80-10-A Bonnet Bolting, R-1062, Axial Indication	MR-A-04-7223 R-1063 for Reinspection

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National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0078	Hanger 2-RHRH-7 R-1107 Hydraulic Leak	MR-A-037886 R-1232 for Reinspection
SQ-0079	Valve FCV-74-2 R-1108 Rust and Boron on Bolting	MR-A-037886 R-1215 for Reinspection
SQ-0080	Bolting, CVC-1057/1057A R-1109, Corrosion and Pitting	No Reinspection Performed, See USQD 83-26
SQ-0081	R.C. Valve 68-541 R-1136 Rust and Pitting on Bolting	No Reinspection Performed, See USQD-83-26
SQ-0082	Valve 68-508 R-1137 Pitting on Bolting	MR-A-112108 R-1208 for Reinspection
SQ-0083	Hanger 2-UHIH-152 R-1195 Stroke Setting	No Reinspection Performed, See USQD 83-28
SQ-0084	Hanger 2-UHIH-153 R-1196 Stroke Setting	No Reinspection Performed, See USQD 83-28
SQ-0085	Hanger 2-UHIH-18 R-1197 Stroke Setting Out of Tolerance	No Reinspection Performed, See USQD-83-28

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Commercial Service Date: 1 June 1982

National Board Number for Unit: No Number Assigned

SUMMARY OF NOTIFICATIONS

Notification Report No.	Discrepancy	Disposition Complete
SQ-0086	Hanger 2-UHIH-46 R-1198 Stroke Setting Out of Tolerance	No Reinspection Performed, See USQD-83-28
SQ-0087	Hanger 2-SIH-11 R-1207 Stroke Setting Out of Tolerance	No Reinspection Performed, See USQD 83-28

APPENDIX H
SUPPORT LOAD CRITERIA

Type
VS-Variable Spring
RS-Rigid Support
MS-Mechanical Snubber
Model
RS-Rigid Strut
RH-Rigid Hanger

Plant: SQNP Unit: 2

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-AFDH-200	3	RS	RH					
	2-AFDH-244	3	RH	BE 415 RS Size 1					
	2-AFDH-245	3	VS	BE 401 Type A Size 8		668#	687#	1/16" Up	5/16"-1"
	2-AFDH-246	3	VS	BD 401 Type G Size 5		311#	319#	3/32" Up	11/32"-1"
	2-AFDH-247	3	RS	BE 415 RS Size 1					
	2-AFDH-248	3	RS	RH					
	2-AFDH-249	3	RS	RH					
	2-AFDH-250	3	RS	RH					
	2-AFDH-251	3	RS	RH					
	2-AFDH-252	3	VS	BE 401 Type G Size 7		531#	595#	3/32" Up	11/32"-1"
	2-AFDH-295	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-AFDH-305	3	VS	BE 401 Type B Size 11		1559#	1594#	1/16" Up	5/16"-1"
	2-AFDH-306	3	RS	RH					
	2-AFDH-307	3	RS	RH					
	2-AFDH-308	3	RS	RH					
	2-AFDH-309	3	VS	BE 401 Type B Size 2		144#	148#	1/32" Up	9/32"-1"
	2-AFDH-310	3	RS	RH					
	2-AFDH-311	3	RS	RH					
	2-AFDH-312	3	VS	BE 402 Type F Size 9		1058#	1058#	Slight*	1/4"-2 1/4"**
	2-AFDH-313	3	RS	BE 415 RS Size 1					
	2-AFDH-331	3	RS	RH					
	2-AFDH-342	3	VS	BE 401 Type B Size 10		1222#	1255#	1/16" Up	5/16"-1"
	2-AFDH-343	3	RS	RH					
	2-AFDH-344	3	RS	BE 415 RS Size 2					

*Thermal movement as stated by EN DES on BE 4180-2AFD sheet H3-31E as constructed.
**No thermal movement accounted for.

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-AFDH-345	3	RS	RH					
	2-AFDH-346	3	RS	BE 415 RS Size 1					
	2-AFDH-347	3	RS	RH					
	2-AFDH-348	3	RS	RH					
	2-AFDH-349	3	VS	BE 401 Type F Size 9		1055#	1055#	Slight*	1/4"-1"**
	2-AFDH-350	3	RS	BE 415 RS Size 1					
	1-AFDH-227	3	RS	RH					
	1-AFDH-229	3	MS	BE 417 PSA-3	5"	1'-5 5/8"	1'-5 7/8"	1/4"	1/2"-4 3/4"
	1-AFDH-242	3	RS	RH					
	1-AFDH-250	3	VS	GR SPRG Fig. 82 Type F Size 5		350#	350#	0	1/4"-1"
	1-AFDH-251	3	VS	GR SPRG Fig. 82 Type F Size 3		129#	129#	0	1/4"-1"

*Thermal movement stated by EN DES.
**No thermal movement accounted for.

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-AFDH-252	3	RS	BE 415 Size 2 RS					
	1-AFDH-253	3	RS	GR SPRG Fig. 82 Type F Size 5		293#	293#	0	1/4"-1"
	1-AFDH-254	3	RS	BE 415 Size 2 RS					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	ICVCMH-439	3	RS	RH					
	ICVCMH-440	3	RS	RH					
	ICVCMH-441	3	RS	RH					
	ICVCMH-442	3	RS	RH					
	ICVCMH-455	3	RS	RH					
	ICVCMH-457	3	RS	RH					

Type
RS-Rigid Support
VS-Variable Spring
MS-Mechanical Snubber
IA-Integrally Welded Attachment
Model
RS-Rigid Strut
RH-Rigid Hanger

Plant: SQNP Unit: 2

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-CSH-416	3	RS	RH					
	2-CSH-416-A	3	MS	BE 417 PSA 3	5"	2'-7 7/8"	2'-7 3/4"	1/8"	1/4"-4 5/8"
	2-CSH-417	3	RS	RS BE 415 Size 1					
	2-CSH-418	3	RS	RS BE 415 Size 4					
	2-CSH-419	3	RS	RH					
	2-CSH-420	3	RS	RH					
	2-CSH-421	3	RS	RH					
	2-CSH-422	3	RS	RH					
	2-CSH-423	3	RS	RH					
	2-CSH-424	3	RS	RH					
	2-CSH-425	3	RS	RH					
	2-CSH-426	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-CSH-427	3	RS	RH					
	2-CSH-428	3	RS	RH					
	2-CSH-429	3	RS	RH					
	2-CSH-430	3	RS	RH					
	2-CSH-431	3	RS	RH					
	2-CSH-432	3	R	RH					
	2-CSH-433	3	RS	RH					
	2-CSH-434	3	RS	RH					
	2-CSH-435	3	RS	RH					
	2-CSH-436	3	RS	RH					
	2-CSH-437	3	RS	RH					
	2-CSH-438	3	RS	RH					
	2-CSH-439	3	RS	Size 1 RS BE 415					
	2-CSH-451	3	RS	RH					
	2-CSH-452	3	RS	BE 415 RS Size 1					

Type
RS-Rigid Support
VS-Variable Spring
MS-Mechanical Snubber
IA-Integrally Welded Attachment
HS-Hydraulic Snubber
Model
RS-Rigid Strut
RH-Rigid Hanger

Plant: SQNP Unit: 2

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-CCH-4-158	3	RS	RH					
	1-CCH-400	3	VS	BE Sprg. Fig. 401 Type B Size 15		5604#	5745#	1/16" Up	1/4"-15/16"
	1-CCH-401	3	RS	RH					
	1-CCH-402	3	HS	BE 411 Size 1½	5"	1'-8.19"	1'-8 1/2"	31"	1.185"-5 3/8"
	1-CCH-403	3	MS	BE 417 PSA 10	6"	4'-9 7/8"	4'-9 3/4"	1/8"	1/4"-5 5/8"
	1-CCH-404	3	VS	Grinnell Sprg. Fig 82 "F" Size 12		1994#	1882#	1/8" Down	1/4"-7/8"
	1-CCH-405	3	VS	BE Sprg. Fig 401 Type B Size 14		3943#	3837#	1/16" Down	1/4"-15/16"

Support identifiers 1-CCH-400 through 1-CCH-769 are supports to be examined with the Unit 2 ISI sample.

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-413	3	VS	Gr. Sprg. Fig 82 Type B Size 13		3000#	2925#	1/16" Down	1/4"-5/16"
	1-CCH-414	3	VS	Gr. Sprg. Fig 82 Type B Size 13		2571#	2421#	1/8" Down	1/4"-7/8"
	1-CCH-415	3	HS	BE 411 Size 2½	5"	3 7/16"	3 1/2"	1/16"	1 5/16"-5 3/4"
	1-CCH-416	3	VS	Gr. Sprg. Fig 82 Type B Size 16		8327#	8139#	1/16" Down	1/4"-15/16"
	1-CCH-420	3	RS	RH					
	1-CCH-421	3	HS	BE 411 Size 3¼"	5"	3 5/16"	3 9/16"	1/4"	1 5/8"-5 7/8"
	1-CCH-422	3	RS	RH					
	1-CCH-423	3	RS	RH					
	1-CCH-424	3	RS	RH					
	1-CCH-425	3	RS	RH					
	1-CCH-426	3	RS	RH					
	1-CCH-428	3	RS	RH					
	1-CCH-454	3	RS	RH					
	1-CCH-455	3	RS	RH					
	1-CCH-458	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-459	3	RS	RH					
	*1-CCH-476	3	RS						
	1-CCH-482	3	RS	RH					
	1-CCH-483	3	RS	RS					
	1-CCH-489	3	RS	RH					
	1-CCH-490	3	RS	RH					
	1-CCH-491	3	RS	RH					
	1-CCH-492	3	RS	RH					
	1-CCH-492A	3	RS	RH					
	1-CCH-493	3	RS	RH					
	1-CCH-494	3	VS	BE Sprg. Fig 401 Type B Size 15		5124#	4983#	1/16" Down	1/4"-15/16"
	1-CCH-495	3	RS	RH					
	1-CCH-496	3	RS	RH					
	1-CCH-545	3	RS	RH					
	1-CCH-545A	3	RS	RH					
	1-CCH-546	3	RS	RH					
	1-CCH-547	3	RS	RH					
	1-CCH-548	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-549	3	RS	RH					
	1-CCH-550	3	RS	RH					
	1-CCH-551	3	RS	RH					
	1-CCH-552	3	RS	RH					
	1-CCH-553	3	RS	RH					
	1-CCH-554	3	RS	RH					
	1-CCH-555	3	RS	RH					
	1-CCH-556	3	RS	RH					
	1-CCH-557	3	RS	RH					
	1-CCH-557A	3	RS	BE 415 RS Size 1					
	1-CCH-558	3	RS	RH					
	1-CCH-574	3	RS	RH					
	1-CCH-576	3	RS	RH					
	1-CCH-577	3	RS	RH					
	1-CCH-578	3	RS	Fig 415 RS Size 4					
	1-CCH-579	3	RS	BE 415 RS Size 7					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-580	3	RS	RH					
	1-CCH-581	3	RS	RH					
	1-CCH-582	3	RS	RH					
	1-CCH-583	3	VS	Gr. Sprg. Fig 82 Type F Size 12		2017#	2130#	1/8" Up	3/8"-1"
	1-CCH-584	3	RS	RH					
	1-CCH-585	3	RS	RH					
	1-CCH-586	3	RS	BE 415 RS Size 1					
	1-CCH-587	3	RS	RH					
	1-CCH-588	3	RS	RH					
	1-CCH-589	3	RS	RH					
	1-CCH-590	3	RS	RH					
	1-CCH-591	3	RS	RH					
	1-CCH-592	3	RS	RH					
	1-CCH-593	3	RS	RH					
	1-CCH-594	3	RS	RH					
	1-CCH-595	3	RS	BE 415 RS Size 3					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-596	3	RS	RH					
	1-CCH-597	3	RS	RH					
	1-CCH-598	3	RS	RH					
	1-CCH-599	3	RS	RH					
	1-CCH-600	3	RS	Gr. Sprg Fig 82 Type F Size 12		2144#	2234#	.10 Down	.250"-.9"
	1-CCH-601	3	RS	BE 415 RS Size 3					
	1-CCH-602	3	RS	RH					
	1-CCH-603	3	RS	RH					
	1-CCH-604	3	RS	BE 415 RS Size 1					
	1-CCH-605	3	RS	RH					
	1-CCH-606	3	RS	RH					
	1-CCH-607	3	RS	RH					
	1-CCH-608	3	RS	RH					
	1-CCH-609	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-609A	3	VS	Gr. Sprg. Fig 82 Type F Size 7		587#	601#	1/16" Up	5/16"-1"
	1-CCH-648	3	RS	RH					
	1-CCH-649	3	RS	RH					
	1-CCH-650	3	RS	RH					
	1-CCH-651	3	RS	RH					
	1-CCH-652	3	RS	RH					
	1-CCH-653	3	RS	RH					
	1-CCH-653A	3	RS	RH					
	1-CCH-654	3	RS	BE 415 RS Size 2					
	1-CCH-655	3	RS	RH					
	1-CCH-656	3	RS	RH					
	1-CCH-657	3	RS	RH					
	1-CCH-658	3	RS	BE 415 RS Size 1					
	1-CCH-663	3	RS	RH					
	1-CCH-664	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-665	3	RS	RH					
	1-CCH-677	3	RS	BE 415 RS Size 3					
	1-CCH-678	3	VS	Gr. Sprg. Fig 82 Type B Size 14		4153#	4253#	1/16" Up	5/16"-1"
	1-CCH-679	3	RS	RH					
	1-CCH-700	3	RS	RH					
	1-CCH-701	3	RS	RH					
	1-CCH-702	3	RS	RH					
	1-CCH-703	3	RS	RH					
	1-CCH-707	3	RS	RH					
	1-CCH-711	3	RS	RH					
	1-CCH-712	3	RS	BE 415 RS Size 1					
	1-CCH-713	3	RS	BE 415 RS Size 2					
	1-CCH-714	3	RS	RH					
	1-CCH-715	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-716	3	RS	RH					
	1-CCH-717	3	RS	RH					
	1-CCH-718	3	RS	RH					
	1-CCH-719	3	VS	Gr. Sprg. Fig 82 Type F Size 12		2007#	2106#	.11 Up	.36"-1"
	1-CCH-720	3	MS	BE 416 PAS 10	6"	1'-11 7/16"	1'-11 3/8"	1/16"	1/4"-5 11/16"
	1-CCH-721	3	RS	RH					
	1-CCH-722	3	RS	BE 415 RS Size 1					
	1-CCH-723	3	RS	RH					
	1-CCH-724	3	RS	RH					
	1-CCH-725	3	VS	Gr. Sprg. Fig 82 Type F Size 12		2076#	2189#	1/8" Up	3/8"-1"
	1-CCH-726	3	RS	RH					
	1-CCH-727	3	RS	BE 415 RS Size 1					
	1-CCH-728	3	MS	BE 416 PSA 3	5"			1/16" Compression	5/16"-4.75"

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-729	3	RS	RH					
	1-CCH-730	3	RS	RH					
	1-CCH-731	3	RS	BE 415 RS Size 3					
	1-CCH-732	3	RS	RH					
	1-CCH-733	3	MS	BE 416 PSA 1	4"	1'-3 5/8"	1'-3 5/8"	.06	1/4"-3 3/4"
	1-CCH-734	3	VS	Gr. Sprg. Fig 82 Type B Size 8		781#	799#	1/16" Up	5/16"-1"
	1-CCH-735	3	RS	RH					
	1-CCH-736	3	RS	BE 415 RS Size 2					
	1-CCH-737	3	RS	BE 415 RS Size 2					
	1-CCH-738	3	RS	BE 415 RS Size 1					
	1-CCH-739	3	RS	BE 415 RS Size 1					
	1-CCH-740	3	RS	RH					

300

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-741	3	RS	RH					
	1-CCH-742	3	RS	RH					
	1-CCH-743	3	RS	RH					
	1-CCH-744	3	RS	RH					
	1-CCH-745	3	RS	RH					
	1-CCH-746	3	RS	RH					
	1-CCH-747	3	RS	RH					
	1-CCH-748	3	RS	RH					
	1-CCH-749	3	RS	RH					
	1-CCH-750	3	RS	RH					
	1-CCH-751	3	RS	RH					
	1-CCH-752	3	RS	RH					
	1-CCH-753	3	MS	BE 416 PSA 10	6"	2'-0 7/16"	2'-0 5/8"	3/16"	7/16"-5 3/4"
	1-CCH-754	3	RS	RH					
	1-CCH-755	3	RS	RH					
	1-CCH-756	3	RS	RH					
	1-CCH-757	3	RS	RH					
	1-CCH-758	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-CCH-760	3	MS	BE 416 Size PSA 3	5"	1'-4 7/8"	1'-5 3/16"	5/16"	9/16"-4 3/4"
	1-CCH-761	3	RS	BE 415 RS Size 1					
	1-CCH-762	3	MS	BE 417 PSA 10	6"	1'-7 13/16"	1'-8 8/3"	9/16"	13/16"-5 3/4"
	1-CCH-763	3	VS	BE 402 Type A Size 9		924#	1016#	1/4" Up	1/2"-2 1/4"
	1-CCH-764	3	MS	BE 417 PSA 1	4"	3'-0 1/8"	3'-0 1/16"	1/16"	1/4"-3 11/16"
	1-CCH-765	3	VS	Gr. Sprg. Fig 82 Type C Size 8		701#	767#	1/4" Up	1/2"-1"
	1-CCH-766	3	VS	Gr. Sprg. Fig 82 Type B Size 5		314#	361#	3/8" Up	5/8"-1"
	1-CCH-767	3	VS	Gr. Sprg. Fig 82 Type B Size 9		955#	1047#	1/4" Up	1/2"-1"
	1-CCH-768	3	MS	BE 417 PSA 3	5"	7'-1 3/4"	7'-2"	1/4"	1/2"-4 3/4"
	1-CCH-769	3	MS	PSA 1	4"	1'-7/8"	1'-1"	1/8"	3/8"-3 3/4"

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-CCH-60	3	VS	Gr. Sprg. Fig 268 Type F Size 5		271#	283#	1/4" Up	1/2"-2 1/4"
	2-CCH-61	3	RS	RH					
	2-CCH-62	3	MS	PSA 1	4"	13 1/2"	13"	1/2"	1/4"-3 1/4"
	2-CCH-63	3	RS	RH					
	2-CCH-64	3	RS	RH					
	2-CCH-65	3	RS	RH					
	2-CCH-66	3	RS	RH					
	2-CCH-67	3	RS	RH					
	2-CCH-68	3	RS	RH					
	2-CCH-69	3	RS	RH					
	2-CCH-70	3	RS	RH					
	2-CCH-71	3	RS	RH					
	2-CCH-72	3	RS	RH					
	2-CCH-73	3	RS	RH					
	2-CCH-74	3	RS	RH					
	2-CCH-75	3	RS	RH					
	2-CCH-76	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-CCH-77	3	RS	RH					
	2-CCH-78	3	RS	RH					
	2-CCH-800	3	RS	RH					
	2-CCH-801	3	RS	RH					
	2-CCH-802	3	RS	RH					
	2-CCH-803	3	RS	RH					
	2-CCH-805	3	RS	RH					
	2-CCH-806	3	RS	RH					
	2-CCH-807	3	RS	RH					
	2-CCH-808	3	RS	RH					
	2-CCH-809	3	RS	RH					
	2-CCH-810	3	RS	RH					
	2-CCH-811	3	RS	RH					
	2-CCH-812	3	RS	RH					
	2-CCH-813	3	RS	RH					
	2-CCH-814	3	RS	RH					
	2-CCH-815	3	RS	RH					
	2-CCH-816	3	RS	RH					
	2-CCH-817	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-CCH-844		MS	BE 416 PSA 3	5"	20 1/2"	20 7/8"	3/8"	5/8"-4 3/4"
	2-CCH-845		MS	BE 416 PSA 3	5"	1'-9 5/16"	1'-8 7/8"	7/16"	1/4"-4 5/16"

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-ERCWH-5-1	3	RS	RH					
	2-ERCWH-5-2	3	RS	RH					
	2-ERCWH-5-3	3	RS	RH					
	2-ERCWH-5-4	3	RS	RH					
	2-ERCWH-5-18	3	RS	RH					
	2-ERCWH-5-20	3	RS	RH					
	2-ERCWH-5-20A	3	RS	RH					
	2-ERCWH-5-20B	3	RS	RH					
	2-ERCWH-5-20C	3	RS	RH					
	2-ERCWH-5-25A	3	RS	RH					
	2-ERCWH-5-25B	3	RS	RH					
	2-ERCWH-5-26	3	RS	RH					
	2-ERCWH-5-27	3	RS	RH					
	2-ERCWH-5-28	3	RS	RH					
	2-ERCWH-5-29	3	RS	RH					
	2-ERCWH-5-30	3	RS	RH					
	2-ERCWH-5-31	3	RS	RH					
	2-ERCWH-5-32	3	RS	RH					
	2-ERCWH-5-33	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-ERCWH-5-34	3	RS	RH					
	2-ERCWH-5-39	3	RS	RH					
	2-ERCWH-5-40	3	RS	RH					
	2-ERCWH-2-64	3	RS	RH					
	2-ERCWH-2-65A	3	RS	RH					
	2-ERCWH-2-65B	3	RS	RH					
	2-ERCWH-2-66	3	RS	RH					
	2-ERCWH-2-67	3	RS	RH					
	2-ERCWH-3-39	3	RS	RH					
	2-ERCWH-3-40A	3	RS	RH					
	2-ERCWH-3-40B	3	RS	RH					
	2-ERCWH-3-41	3	RS	RH					
	2-ERCWH-3-42	3	RS	RH					
	2-ERCWH-3-43	3	RS	RH					
	2-ERCWH-3-44	3	RS	RH					
	2-ERCWH-3-46A	3	RS	RH					
	2-ERCWH-3-46B	3	RS	RH					
	2-ERCWH-3-46C	3	RS	RH					
	2-ERCWH-3-57	3	RS	RH					
	2-ERCWH-3-58	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-ERCWH-3-59A	3	RS	RH					
	2-ERCWH-3-59B	3	RS	RH					
	2-ERCWH-3-59C	3	RS	RH					
	2-ERCWH-3-59D	3	RS	RH					
	2-ERCWH-3-68	3	RS	RH					
	2-ERCWH-3-70	3	RS	RH					
	2-ERCWH-3-76	3	RS	RH					
	2-ERCWH-3-77	3	RS	RH					
	2-ERCWH-4-50	3	RS	RH					
	2-ERCWH-4-51	3	RS	RH					
	2-ERCWH-4-52	3	RS	RH					
	2-ERCWH-5-2A	3	RS	RH					
	2-ERCWH-5-2B	3	RS	RH					
	2-ERCWH-5-3A	3	RS	RH					
	2-ERCWH-5-3B	3	RS	RH					
	2-ERCWH-25-312	3	Hor. MS	PSA 3	5"	NA	17"	.17C .04T	.42"-4.71"
			Ver. MS	PSA 3	5"	NA	17"	.02C	.27"-4 3/4"
	2-ERCWH-25-340	3	Hor. MS	PSA 3	5"	NA	17"	.02C .16T	.27"-4.59"
			Ver. MS	PSA 3	5"	NA	17"	.02C	.27"-4 3/4"

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-ERCWH-25-368	3	Hor. MS	PSA 1	4"	12 29/32	13"	.02C	.27"-3.59"
			Ver. MS	PSA 3	5"	NA	17"	.16T	.27"-4.75"
								.02C	.27"-4.75"
	2-ERCWH-25-396	3	Hor. MS	PSA 3	5"	NA	17 5/8"	1/16C	5/16"-4 3/4"
			Ver. MS	PSA 3	5"	NA	16 3/4"	1/16C	5/16"-4 3/4"
	2-ERCWH-25-441	3	MS	PSA 3	5"	NA	17"	5/8C	7/8"-4 3/4"
	2-ERCWH-25-442	3	MS	PSA 3	5"	NA	17"	5/16T	1/4"-4 7/16"
	2-ERCWH-25-445	3	MS	PSA 3	5"	NA	17"	.23T	.25"-4.52"
	2-ERCWH-25-446	3	MS	PSA 3	5"	NA	17"	5/16T	1/4"-4 7/16"
	2-ERCWH-2	2	RS	RH					
	2-ERCWH-3	2	RS	RH					
	2-ERCWH-4	2	RS	RH					
	2-ERCWH-5	2	RS	RH					
	2-ERCWH-6	2	RS	RH					
	2-ERCWH-7	2	RS	RH					
	2-ERCWH-8	2	RS	RH					
	2-ERCWH-9	2	RS	RH					
	2-ERCWH-10	2	RS	RH					
	2-ERCWH-11	2	RS	RH					
	2-ERCWH-12	2	RS	RH					
	2-ERCWH-13	2	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-ERCWH-14	2	RS	RH					
	2-ERCWH-15	2	VS	Gr. Fig 82 Type B Size 6		408#	429#	1/8 Up	3/8"-1"
	2-ERCWH-18	3	RS	RS BE 415 Size 1					
	2-ERCWH-19	3	RS	RH					
	2-ERCWH-20	3	VS	Gr. Fig 82 Type A Size 7		623#	665#	3/16 Up	7/16"-1"
	2-ERCWH-21	3	RS	RH					
	2-ERCWH-22	3	RS	RH					
	2-ERCWH-23	3	RS	RH					
	1-ERCWH-52	3	VS	Gr. Fig 82 Type B Size 13		2288# 2264#	2276#	.01" Up & Dn	.26"-.99"
	1-ERCWH-53	3	RS	RH					
	1-ERCWH-54	3	RS	RH					
	1-ERCWH-55	3	RS	RH					
	1-ERCWH-56	3	RS	RS BE 415 Size 3					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-57	3	RS	RH					
	1-ERCWH-58	3	MS	PSA 10	6"	1'-0 1/2"	2'-0 3/8"	1/8T	1/4"-5 5/8"
				PSA 10	6"	2'-0 1/2"	2'-0 3/8"	1/8T	1/4"-5 5/8"
	1-ERCWH-59	3	RS	RH					
	1-ERCWH-60	3	RS	RS BE 415 Size 1					
	1-ERCWH-61	3	RS	RH					
	1-ERCWH-62	3	RS	RH					
	1-ERCWH-63	3	RS	RH					
	1-ERCWH-64	3	RS	RH					
	1-ERCWH-65	RS	RH						
	1-ERCWH-66	3	RS	RH					
	1-ERCWH-67	3	RS	RS BE 415 Size 2					
	1-ERCWH-68	3	RS	RH					
	1-ERCWH-69	3	RS	RS BE 415 Size 4					
	1-ERCWH-70	3	RS	RH					
	1-ERCWH-71	3	RS	RH					
	1-ERCWH-72	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-73	3	RS	RH					
	1-ERCWH-74	3	VS	Gr. Fig 82 Type 5 Size 16		8247#	8153#	1/32" Dn	1/4"-31/32"
	1-ERCWH-75	3	RS	RH					
	1-ERCWH-76	3	RS	RH					
	1-ERCWH-77	3	RS	RH					
	1-ERCWH-79	3	RS	RH					
	1-ERCWH-80	3	RS	RH					
	1-ERCWH-81	3	RS	RH					
	1-ERCWH-82	3	RS	RH					
	1-ERCWH-83	3	RS	"					
	1-ERCWH-84	3	RS	RH					
	1-ERCWH-121	3	RS	RH					
	1-ERCWH-122	3	RS	RH					
	1-ERCWH-123	3	RS	RH					
	1-ERCWH-124	3	RS	RH					
	1-ERCWH-125	3	RS	RH					
	1-ERCWH-126	3	RS	RH					
	1-ERCWH-127	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-128	3	RS	RS BE 415 Size 6					
	1-ERCWH-129	3	RS	RH					
	1-ERCWH-130	3	RS	RS BE 415 Size 3					
	1-ERCWH-131	3	RS	RH					
	1-ERCWH-132	3	RS	RH					
	1-ERCWH-133	3	RS	RH					
	1-ERCWH-134	3	RS	RH					
	1-ERCWH-135	3	RS	RH					
	1-ERCWH-136	3	VS	Gr. Fig 82 Type B Size 13		3224# 3308#	3272#	.04 Up .03 Dn	.29"-.97"
	1-ERCWH-137	3	RS	RH					
	1-ERCWH-137A	3	RS	RH					
	1-ERCWH-138	RS	RH						
	1-ERCWH-139	3	RS	RH					
	1-ERCWH-140	3	RS	RH					
	1-ERCWH-142	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-143	3	RS	RS BE 415 Size 4					
	1-ERCWH-144	3	RS	RH					
	1-ERCWH-145	3	RS	RH					
	1-ERCWH-146	3	RS	RH					
	1-ERCWH-147	3	RS	RH					
	1-ERCWH-160	3	RS	RH					
	1-ERCWH-161	3	RS	RH					
	1-ERCWH-162	3	RS	RH					
	1-ERCWH-163	3	RS	RH					
	1-ERCWH-164	3	RS	RH					
	1-ERCWH-165	3	RS	RH					
	1-ERCWH-166	3	RS	RH					
	1-ERCWH-167	3	RS	RH					
	1-ERCWH-168	3	RS	RH					
	1-ERCWH-190	3	RS	RH					
	1-ERCWH-191	3	RS	RH					
	1-ERCWH-193	3	RS	RH					
	1-ERCWH-194	3	RS	RH					
	1-ERCWH-195	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-196	3	RS	RH					
	1-ERCWH-197	3	RS	RH					
	1-ERCWH-198	3	RS	RH					
	1-ERCWH-204	3	RS	RH					
	1-ERCWH-205	3	RS	RH					
	1-ERCWH-206	3	RS	RH					
	1-ERCWH-207	3	RS	RH					
	1-ERCWH-208	3	RS	RH					
	1-ERCWH-209	3	RS	RS BE 415 Size 1					
	1-ERCWH-210	3	RS	RS BE 415 Size 1					
	1-ERCWH-211	3	RS	RH					
	1-ERCWH-212	3	RS	RH					
	1-ERCWH-213	3	RS	RH					
	1-ERCWH-214	3	RS	RH					
	1-ERCWH-215	3	RS	RH					
	1-ERCWH-216	3	RS	RH					
	1-ERCWH-217	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-218	3	RS	RH					
	1-ERCWH-219	3	RS	RH					
	1-ERCWH-220	3	RS	RH					
	1-ERCWH-221	3	RS	RH					
	1-ERCWH-222	3	RS	RH					
	1-ERCWH-223	3	RS	RS BE 415 Size 6					
	1-ERCWH-224	3	RS	RH					
	1-ERCWH-224A	3	RS	RH					
	1-ERCWH-225	3	RS	RS BE 415 Size 3					
	1-ERCWH-226	3	RS	RH					
	1-ERCWH-227	3	RS	RS BE 415 Size 7					
	1-ERCWH-227A	3	RS	RS BE 415 Size 7					
	1-ERCWH-228	3	RS	RH					
	1-ERCWH-229	3	RS	RH					
	1-ERCWH-233A	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-233B	3	RS	RS BE 415 Size 3					
	1-ERCWH-234	3	RS	RH					
	1-ERCWH-235	3	RS	RH					
	1-ERCWH-235A	3	RS	RH					
	1-ERCWH-236	3	RS	RH					
	1-ERCWH-237	3	RS	RS BE 415 Size 4					
	1-ERCWH-238	3	RS	RH					
	1-ERCWH-239	3	RS	RS BE 415 Size 2					
	1-ERCWH-240	3	RS	RH					
	1-ERCWH-241	3	RS	RS BE 415 Size 2					
	1-ERCWH-242	3	RS	RH					
	1-ERCWH-243	3	RS	RH					
	1-ERCWH-262	3	RS	RH					
	1-ERCWH-263	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-264	3	RS	RS BE 415 Size 1					
	1-ERCWH-265	3	RS	RH					
	1-ERCWH-266	3	RS	RH					
	1-ERCWH-267	3	RS	RH					
	1-ERCWH-268	3	RS	RH					
	1-ERCWH-269	3	RS	RH					
	1-ERCWH-270	3	RS	RH					
	1-ERCWH-271	3	RS	RH					
	1-ERCWH-272	3	RS	RH					
	1-ERCWH-273	3	RS	RH					
	1-ERCWH-274	3	RS	RH					
	1-ERCWH-275	3	RS	RH					
	1-ERCWH-276	3	RS	RH					
	1-ERCWH-277	3	RS	RH					
	1-ERCWH-300	3	RS	RH					
	1-ERCWH-301	3	RS	RH					
	1-ERCWH-302	3	RS	RH					
	1-ERCWH-342	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-343	3	RS	RH					
	1-ERCWH-344	3	RS	RH					
	1-ERCWH-350	3	RS	RH					
	1-ERCWH-351	3	RS	RH					
	1-ERCWH-352	3	RS	RH					
	1-ERCWH-357	3	RS	RH					
	1-ERCWH-358	3	RS	RS BE 415 Size 1					
	1-ERCWH-359	3	RS	RS BE 415 Size 1					
	1-ERCWH-360	3	RS	RH					
	1-ERCWH-361	3	RS	RS BE 415 Size 1					
	1-ERCWH-362	3	RS	RH					
	1-ERCWH-363	3	RS	RH					
	1-ERCWH-364	3	RS	RH					
	1-ERCWH-365	3	RS	RH					
	1-ERCWH-366	3	RS	RS BE 415 Size 1					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-367	3	RS	RH					
	1-ERCWH-368	3	RS	RH					
	1-ERCWH-370	3	RS	RH					
	1-ERCWH-371	3	RS	RH					
	1-ERCWH-372	3	RS	RS BE 415 Size 1					
	1-ERCWH-373	3	RS	RH					
	1-ERCWH-374	3	RS	RH					
	1-ERCWH-375	3	RS	RH					
	1-ERCWH-376	3	RS	RH					
	1-ERCWH-377	3	RS	RS BE 415 Size 1					
	1-ERCWH-378	3	RS	RH					
	1-ERCWH-379	3	RS	RS BE 415 Size 1					
	1-ERCWH-380	3	RS	RH					
	1-ERCWH-381	3	RS	RS BE 415 Size 1					
	1-ERCWH-382	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	1-ERCWH-500	3	RS	RH					
	1-ERCWH-505	3	RS	RH					
	1-ERCWH-511	3	RS	RH					
	1-ERCWH-512	3	RS	RH					
	1-ERCWH-513	3	RS	RH					
	1-ERCWH-514	3	RS	RH					
	1-ERCWH-515	3	RS	RH					
	1-ERCWH-520	3	RS	RH					

Type
RS-Rigid Support
MS-Mechanical Snubber
Model
RS-Rigid Strut
RH-Rigid Hanger

Plant: SQNP Unit: 2

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IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-SIH-72	3	MS	BE 416 PSA 10	6"	24 1/2"	24 3/8"	1/8"	1/4"-5 5/8"
	2-SIH-73	3	MS	BE 416 PSA 3	5"	1'-9 9/16"	1'-9"	9/16"	1/4"-4 3/16"
	2-SIH-74	3	RS	RH					
	2-SIH-112	3	RS	RH					
	2-SIH-400	3	RS	RH					
	2-SIH-401	3	RS	RH					
	2-SIH-402	3	RS	RH					
	2-SIH-403	3	RS	RH					
	2-SIH-404	3	RS	RH					
	2-SIH-405	3	RS	RH					
	2-SIH-406	3	RS	RH					
	2-SIH-407	3	RS	RH					
	2-SIH-408	3	RS	RH					
	2-SIH-409	3	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-SIH-410	3	RS	BE 415 RS Size 5					
	2-SIH-411	3	RS	RH					
	2-SIH-412	3	RS	BE 415 RS Size 2					
	2-SIH-413	3	RS	RH					
	2-SIH-414	3	RS	RH					
	2-SIH-415	3	VS	Gr. Sprg Fig 82 Type B Size 12		2236#	2264#	1/8" Up	3/8"-1"
	2-SIH-416	3	RS	RH					
	2-SIH-417	3	RS	RH					
	2-SIH-418	3	RS	RH					
	2-SIH-419	3	RS	RH					
	2-SIH-420	3	RS	RH					
	2-SIH-438	3	RS	RH					

Type
VS-Variable Spring
RS-Rigid Support
Model
RS-Rigid Strut
RH-Rigid Hanger

Plant: SQNP Unit: 2

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-RHRH-431	3	VS	BE 401 Type F Size 11		1273#	1495#	5/16" Up	9/16"-1"
	2-RHRH-432	3	RS	RH					
	2-RHRH-433	3	RS	BE 415 RS Size 1					
	2-RHRH-434	3	RS	RH					
	2-RHRH-435	3	RS	RH					
	2-RHRH-436	3	RS	RH					
	2-RHRH-437	3	VS	BE 401 Type B Size 10		1175#	1234#	1/8" Up	3/8"-1"

Type
HS-Hydraulic Snubber
IA-Integrally Welded Attachment
MS-Mechanical Snubber
RS-Rigid Support
VS-Variable Spring
Model
RS-Rigid Strut
RH-Rigid Hanger

Plant: SQNP Unit: 2

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-MSH-300	2	HS	BE 411 Size 8" X=1 1/4"	5"	4 1/4"	3 3/8"	7/8"T	1 1/2"-5 1/8"
	2-MSH-301	2	HS	BE 411 Size 8"	5"	3 7/16"	4 1/16"	5/8"C	2 1/8"-6"
	2-MSH-302	2	VS	Gr. Sprg. Fig. C-98 Type B Size 18		10,065#	12,725#	2" Up	2 1/4"-4 3/4"
	2-MSH-303	2	HS	BE 411 Size 4	5"	2 7/8"	4 3/8"	1 1/2"C	2 7/8"-5 7/8"
	2-MSH-304	2	VS	Gr. Sprg Fig 268 Type B Size 18		11,420#	13,016#	.6 Up	.85"-2 1/4"
	2-MSH-305	2	RS	RH					
	2-MSH-306	2	HS	BE 410 Size 4	5"	3 1/2"	2 3/4"	3/4"	1 3/8"-5 1/8"
	2-MSH-307	2	VS	Gr. Sprg. Fig C-268 Type A Size 22		37,210#	30,542#	.8" Down	.25"-1.45"

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-MSH-308	2	VS	Gr. Sprg. Fig C-268 Type F Size 21		33,840#	20,762#	.82 Down	.25"-1.43"
	2-MSH-309	2	MS	BE 416 Size PSA 10	6"	2'-0 1/16"	2'-0 13/16"	.75"C	1.00"-5.75"
	*2-MSH-310	2	HS	BE 410 Size 3¼"	5"	2.875"	3 1/4"	.375"C	1.75"-5.875"
	*2-MSH-310	2	HS	BE 410 Size 3¼"	5"	3.125"	3 1/2"	.375"C	1.75"-5.875"
	2-MSH-311	2	RS	BE 415 RS Size #4					
	2-MSH-312	2	IA						
	2-MSH-312	2	RS	RH					
	2-MSH-313	2	RS	RH					
	2-MSH-314	2	HS	BE 410 Size 3¼" X=1 1/8"	5"	3 7/8"	3 3/8"	1/2"	1.375"-5.375"
	2-MSH-315	2	HS	BE 411 Size 3¼" X=1 1/8"	5"	4 1/16"	2 9/16"	1.5"T	1.375"-4.375"
	2-MSH-316	2	RS	RH					
	2-MSH-317	2	RS	RH					

*Snubbers to operate simultaneously.

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-MSH-340	2	HS	BE 411 Size 8" X=1 1/4"	5"	4 1/4"	3 5/16"	.938T	1.50"-5.062"
	2-MSH-341	2	HS	BE 411 Size 8" X=1⅛"	5"	3 3/8"	4 1/8"	3/4"C	2.25"-6"
	2-MSH-342	2	VS	Gr. Sprg. F-C-98 Type B Size 18		10,885#	13,412#	1 15/16" Up	2.19"-4.75"
	2-MSH-343	2	HS	BE 411 Size 4 X=1 1/8"	5"	2 7/8"	4 3/8"	1 1/2"C	2.875"-5.875"
	2-MSH-344	2	VS	Gr. Sprg. Fig. C-268 Type B Size 18		10,380#	11,604#	7/16" Up	.75"-2.25"
	2-MSH-345	2	RS	RH					
	2-MSH-346	2	VS	Gr. Sprg. Fig C-268 Type C Size 19		16,925#	14,093#	13/16" Down	.25"-1.44"
	2-MSH-347	2	MS	BE 416 PSA 35	6"	2'-6 13/16"	2'-6"	13/16"T	.25"-3.937"
	2-MSH-348	2	HS	BE 410 Size 4 X=1.125	5"	4.5"	3.69"	.81"T	1.375"-5.065"
	2-MSH-349	2	IA						

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-MSH-349	2	RS	RH					
	2-MSH-350	2	MS	BE 416 PSA 10	6"	1'-6 7/16"	1'-7 1/8"	11/16"C	15/16"-5.75"
	2-MSH-351	2	VS	Gr. Sprg. Fig C-268 Type C Size 19		18,600#	16,167#	11/16" Down	.25"-1.562"
	2-MSH-352	2	HS	BE 410 Size 4"	5"	3 11/16"	3 1/2"	3/16"T	1.375"-5.69"
	2-MSH-353	2	MS	BE 417 PSA 10	6"	4'-1 5/16"	4'-0 5/16"	1"T	.25"-4.75"
	2-MSH-354	2	RS	RH					
	2-MSH-355	2	RS	RH					
	2-MSH-380	2	HS	BE 411 Size 8" X=1.25"	5"	4 3/16"	3 5/16"	7/8"T	1.5"-5.125"
	2-MSH-381	2	HS	BE 411 Size 8" X=1.25"	5"	3 7/16"	4 1/16"	5/8"C	2.125"-6"
	2-MSH-382	2	VS	Gr. Sprg. Fig C-98 Type B Size 18		11,380#	14,040#	2" Up	2.25"-4.75"
	2-MSH-383	2	HS	BE 411 Size 4 X=1.25"	5"	3 7/8"	4 3/8"	1.5"C	2.875"-5.875"

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-MSH-384	2	VS	Gr. Sprg. Fig C-268 Type D Size 15		4,565#	5,105#	1/2" Up	.75"-2.25"
	2-MSH-385	2	RS	RH					
	2-MSH-386	2	VS	Gr. Sprg. C-268 Type C Size 20		26,050#	22,760#	.7" Down	.25"-1.55"
	2-MSH-387	2	MS	BE 416 PSA 10	6"	23 1/16"	22 1/4"	13/16"T	.25"-4.94"
	2-MSH-388	2	VS	Gr. Sprg. Fig C-268 Type D Size 15		6,370#	5,506#	13/16" Down	.24"-1.44"
	2-MSH-389	2	IA						
	2-MSH-389	2	RS	RH					
	2-MSH-390	2	VS	Gr. Sprg. Fig C-268 Type B Size 19		18,705#	16,935#	1/2" Down	.25"-1.75"
	2-MSH-391	2	MS						
	2-MSH-392	2	HS	BE 410 Size 3¼" X=1.125	5"	3.75"	3.56"	.188T	1.38"-5.69"
	2-MSH-393	2	MS	BE 417 PSA 10	6"	3'-10 15/16"	4'-0 5/16"	1.4"c	1.65"-5.75"

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-MSH-394	2	RS	RH					
	2-MSH-395	2	RS	RH					
	2-MSH-420	2	HS	BE 411 Size 8" X=1.25"	5"	4.1875"	3.1875"	1"T	1.5"-5"
	2-MSH-421	2	HS	BE 411 Size 8" X=1.25"	5"	2.56"	3.25"	.69"C	2.19"-6"
	2-MSH-422	2	VS	Gr. Sprg. Fig C-98 Type B Size 18		10,735#	13,528#	2 1/8" Up	2.375"-4.75"
	2-MSH-423	2	HS	BE 411 Size 4" X=1.125"	5"	2.875"	4.375"	1.5"C	2.875"-5.875"
	2-MSH-424	2	RS	BE 415 RS Size 11					
	2-MSH-425	2	VS	Gr. Sprg. Fig C-268 Type D Size 15		4,480#	5,128#	.625" Up	.875"-2.25"
	2-MSH-426	2	RS	RH					
	2-MSH-427	2	VS	Gr. Sprg. Fig C-268 Type F Size 20		23,930#	20,640#	.7 Down	.25"-1.55"
	2-MSH-428	2	RS	RH					

IDENTIFIER		SAFETY	SUPPORT			DESIGN SETTING		THERMAL	ACCEPTABLE
TVA'S	ISI'S	CLASS	TYPE	MODEL	STROKE	HOT	COLD	MOVEMENT	RANGE
	2-MSH-429	2	VS	Gr. Sprg. Fig C-268 Type D Size 19		17,150#	15,734#	.375" Down	.25"-1.875"
	2-MSH-430	2	MS	BE 417 PSA 10	6"	20"	20 3/8"	3/8"C	.625"-5.75"
	2-MSH-431	2	RS	BE 415 RS Size 6					
	2-MSH-432	2	HS	BE 410 Size 4" X=1.125"	5"	3.57"	3.69"	.12"C	1.5"-5.875"
	2-MSH-433	2	MS	BE 417 PSA 10	6"	1'-8"	1'-9 1/8"	1.125"C	1.375"-5.75"
	2-MSH-434	2	RS	RH					
	2-MSH-435	2	RS	RH					
	2-MSH-438	2	RH	RH					
	2-MSH-439	2	RS	BE 415 RS Size 1					
	2-MSH-440	2	MS	BE 416 PSA 1/2	2 1/2	10 1/2	11 13/16	1 5/16C	1 9/16"-2 1/4"