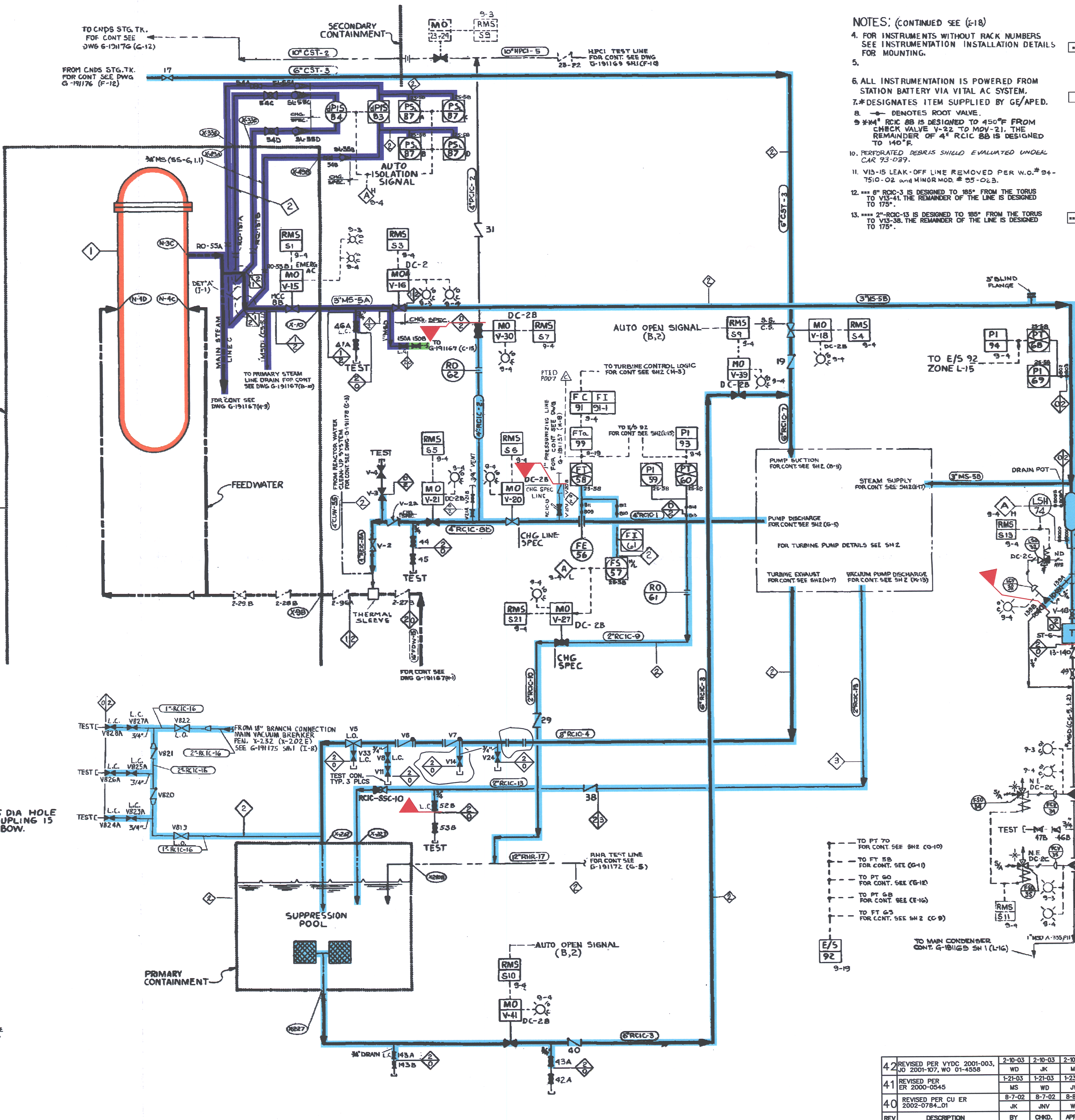
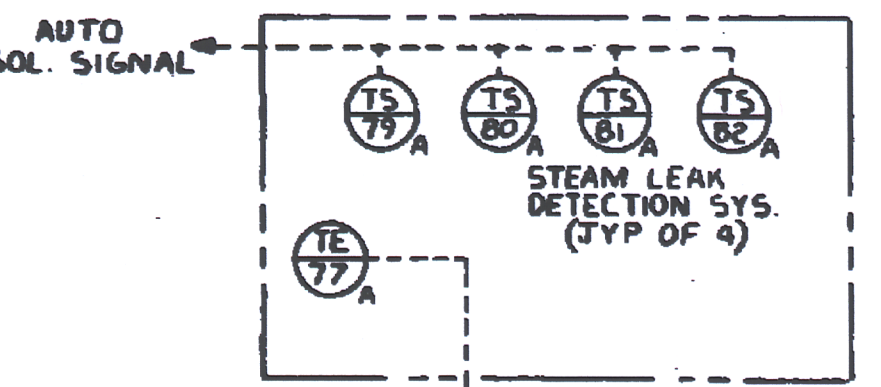
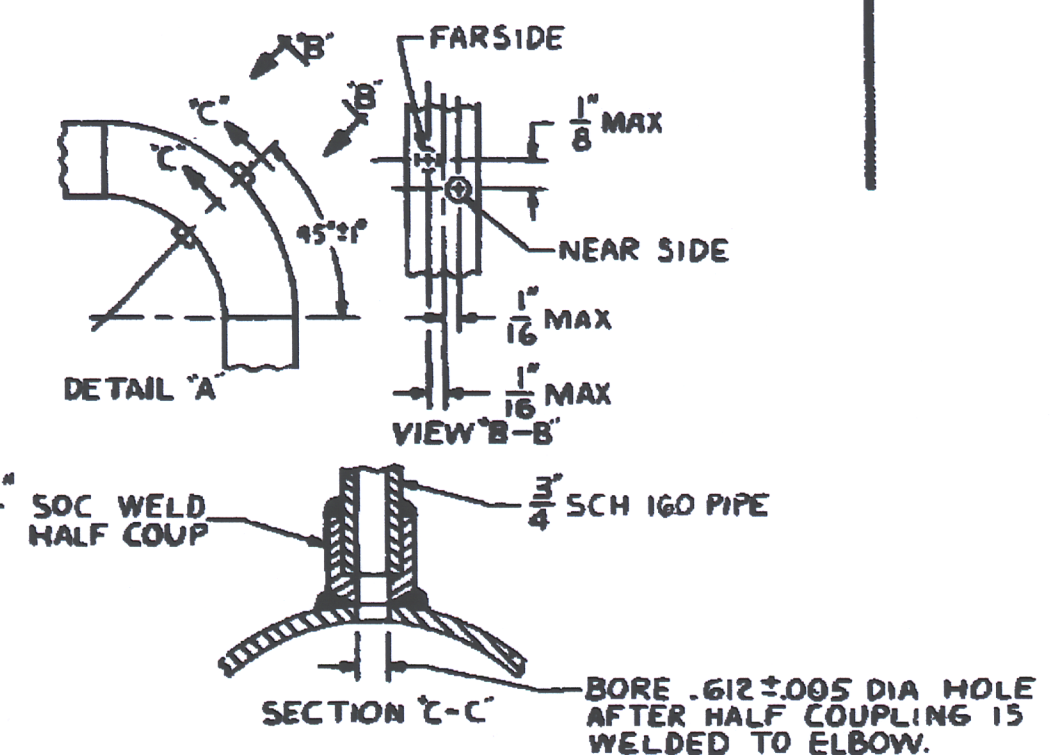
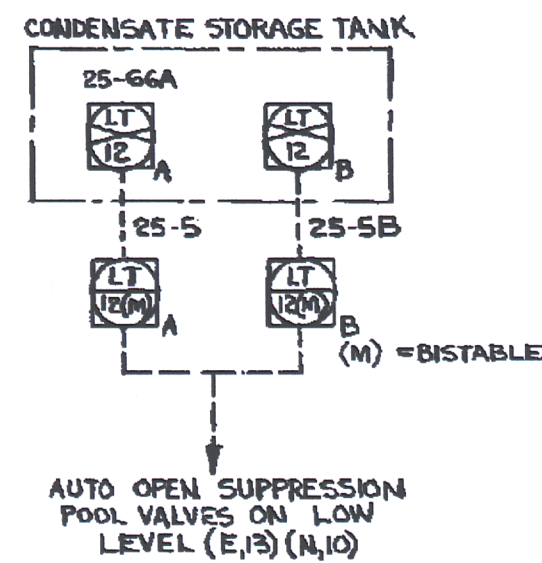


G-191174



- NOTES: (CONTINUED SEE (E-18))
- FOR INSTRUMENTS WITHOUT RACK NUMBERS SEE INSTRUMENTATION INSTALLATION DETAILS FOR MOUNTING.
 - ALL INSTRUMENTATION IS POWERED FROM STATION BATTERY VIA VITAL AC SYSTEM.
 - * DESIGNATES ITEM SUPPLIED BY GE/APED.
 - DENOTES ROOT VALVE.
 - * RCIC-8B IS DESIGNED TO 450°F FROM CHECK VALVE V-22 TO MOV-21. THE REMAINDER OF 4" RCIC-8B IS DESIGNED TO 140°F.
 - PERFORATED DEBRIS SHIELD EVALUATED UNDER CAR 93-029.
 - VIS-15 LEAK-OFF LINE REMOVED PER W.O.# 94-7510-02 AND MINOR MOD.# 05-02.B.
 - * RCIC-3 IS DESIGNED TO 185° FROM THE TORUS TO VIS-41. THE REMAINDER OF THE LINE IS DESIGNED TO 175°.
 - * RCIC-13 IS DESIGNED TO 185° FROM THE TORUS TO VIS-38. THE REMAINDER OF THE LINE IS DESIGNED TO 175°.

PIPELINE LIST									
LINE NO.	LINE SIZE	SCHEM.	TYPE	DESIGN TEMP	DESIGN PRESS	DESIGN MFR	DESIGN SPEC	ACT. MFR	ACT. SPEC
RCIC-1	4"	120	CS-5	1900	175	L-2	L-8		
RCIC-2	4"	120	CS-5	1900	140		FIO		
RCIC-3	6"	STD	CS-1	150	175		RM-2		
RCIC-4	6"	STD	CS-1	150	325		J-9		
RCIC-5A	8"	STD	CS-1	150	325		SH-10		
RCIC-6	3"	STD	CS-1	150	325		SH-11		
RCIC-7	6"	STD	CS-1	150	175		F-14		
RCIC-8A	4"	120	CS-5	1900	140		M-8		
RCIC-9	2"	160	CS-5	1900	175		I-11		
RCIC-10	2"	80	CS-1	150	175		J-11		
RCIC-11	2"	160	CS-5	1900	175		G-7		
RCIC-12	2", 1 1/2"	80	CS-1	150	175		SH-12		
RCIC	2" & 3"	160	CS-5	1900	300				
RCIC	2" & 3"	80	CS-1	150	325				
RCIC-8A	4"	120	CS-5	1900	450		G-13		
RCIC-9B	2"	160	CS-5	1900	175		SH-16		
RCIC-15	1"	160	CS-5	1900	175				
CST-3	6"	400	SS-1	150	175		L-6		
RCIC-16	1", 2"	80	CS-1	150	325		K-6		
RCIC-13	2"	80	CS-1	150	175		K-11		
MS-5A	3"	160	CS-5	1250	575		D-8		
MS-5B	3", 2"	160	CS-5	1250	575		D-9		
MSD	2" & 3"	80	CS-1	150	325		L-6		
MSD	2" & 3"	160	CS-5	1250	575		L-2		
MSD	1"	80	A315, PH	1250	325		L-8		

LEGEND
A - ERFIS COMPUTER DATA SYSTEM

NOTES
1. UNLESS OTHERWISE NOTED ALL VALVE AND INSTRUMENT NUMBERS TO BE PREFIXED BY SYSTEM NUMBER IS. FOREEXAMPLE: FOR VALVE V-19 VALVE IDENTIFICATION SYSTEM NO. VALVE IDENTIFICATION NO. FOR INSTRUMENT NO. FI-69 ACTUAL TAGGING SHALL BE FI-13-69 TYPE OF INSTRUMENT SYSTEM NO. INSTRUMENT DESIGNATION NO. FOR SPECIALTY SR-40 ACTUAL TAGGING SHALL BE SR-13-40 TYPE OF SPECIALTY SYSTEM NO. SPECIALTY IDENTIFICATION

2. UNLESS OTHERWISE NOTED ALL OPEN DRAINS AND VENTS SHALL BE CS-1, 1.7 GPM FOR DRAINS, VENTS AND TEST SHALL BE OF SAME MATERIAL & SPECIFICATION AS THE HEADER UP TO AND INCLUDING SECOND SHUT-OFF VALVE.
FOR CONTINUATION OF NOTES SEE (A-15)

- REFERENCE DRAWINGS:
LIST OF DRAWINGS: A-191194
VALVE & SPECIALTY LIST: A-191197
PIPING & INSTRUMENT SYMBOLS: G-191185
FLOW DIAGRAM CONDENSATE & DEMIN WATER TRANSFER SYSTEM: G-191176
REACTOR CORE ISOLATION COOLING PIPING PLAN: G-191208
FLOW DIAGRAM - NUCLEAR BOILER: G-191167
FLOW DIAGRAM - REACTOR HIGH PRESSURE COOLANT INJECTION SYSTEM: G-191169
FLOW DIAGRAM - RESIDUAL HEAT REMOVAL SYSTEM: G-191172
FLOW DIAGRAM REACTOR WATER CLEAN-UP SYSTEM: G-191178
DIAGRAM - NUCLEAR BOILER VESSEL: G-491267
INSTRUMENTATION PROCESS DIAGRAM REACTOR CORE ISOLATION COOLING SYSTEM: 5920-605
ISOLATION COOLING SYSTEM: 5920-25
FCE REACTOR CORE ISOLATION COOLING SYSTEM (3 SHEETS): 5920-26, 5920-29, 5920-49C
GE-APED MASTER PARTS LIST: FCF194X84412
RCIC TURBINE OIL PIPING DIAGRAM: 5920-7097

AS BUILT
DATE: 12-12-12
APPROVED: [Signature]

REPRODUCED FROM GE DWG 7282941 SHEET TREV.3

REV	DESCRIPTION	BY	CHKD.	APPD.
42	REVISED PER VYDC 2001-003, 00 2001-107, WO 01-4558	2-10-03 WD	2-10-03 JK	2-10-03 MAB
41	REVISED PER ER 2000-0545	1-21-03 MS	1-21-03 WD	1-23-03 JWL
40	REVISED PER CU ER 2002-0784-01	8-7-02 JK	8-7-02 JNV	8-8-02 WCL

VERMONT YANKEE NUCLEAR POWER CORPORATION
VERMONT YANKEE NUCLEAR POWER STATION
VERMONT, VERMONT
REACTOR CORE ISOLATION COOLING SYSTEM
FLOW DIAGRAM
VERMONT SERVICES INCORPORATED NEW YORK
SCALE NONE
DATE: A7A 29.9.13
G-191174
SHEET 10F 2

SYSTEM INTENDED FUNCTION BOUNDARY

- COMPONENTS SUBJECT TO AMR
- REACTOR CORE ISOLATION COOLING SYSTEM AMRM-06
 - MAIN CONDENSER AND MSIV LEAKAGE PATHWAY AMRM-26
 - REACTOR VESSEL AMRM-31
 - REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMRM-33

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	4-14-05					

LRA-G-191174-SH-01-0
LRA-G-191174-SH-01-42.DGN
G-191174-SH-01-42.TIF

Handwritten notes and markings, including a large 'D-33' and a signature.