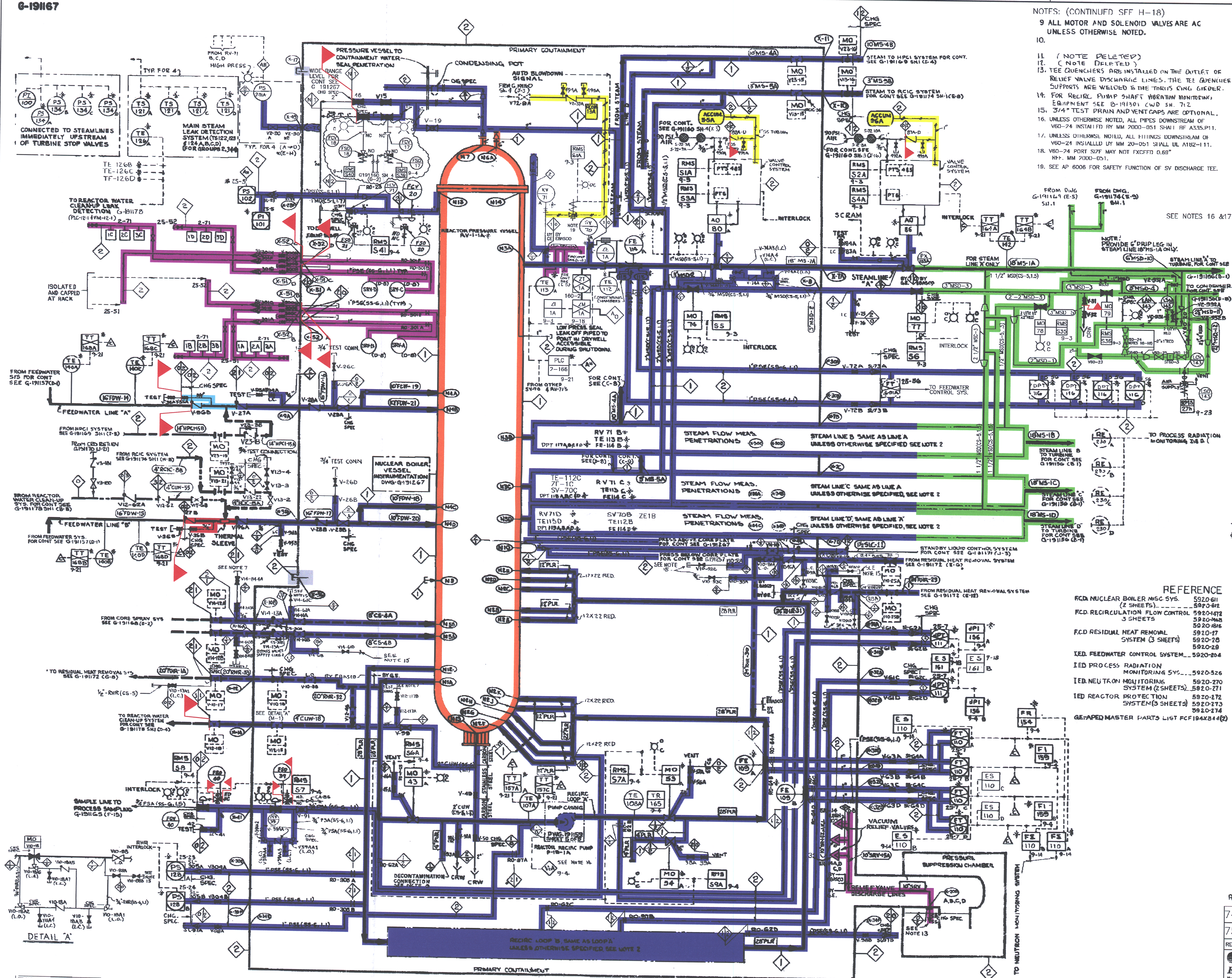


6-191167



NOTES: (CONTINUED SEE H-18)

- 9 ALL MOTOR AND SOLENOID VALVES ARE AC UNLESS OTHERWISE NOTED.
- 10.
11. (NOTE DELETED)
12. (NOTE DELETED)
13. TEE QUENCHERS ARE INSTALLED ON THE OUTLET OF RELIEF VALVE DISCHARGE LINES. THE TEE JOINTS SUPPORTS ARE WELDED TO THE TUBES CIVIL GROUPER.
14. FOR RELIEF PUMP SHAFT VIBRATION MONITORING EQUIPMENT SEE G-191160 CWD SH. 712
15. 3/4" TEST DRAIN AND VENT CAPS ARE OPTIONAL.
16. UNLESS OTHERWISE NOTED, ALL PIPES DOWNSTREAM OF V60-24 INSTALLED BY MM 2000-051 SHALL BE A335.P11.
17. UNLESS OTHERWISE NOTED, ALL PIPES DOWNSTREAM OF V60-24 INSTALLED BY MM 2000-051 SHALL BE A335.P11.
18. V60-24 PORT SIZE MAY NOT EXCEED 0.69"
19. SEE AP 6006 FOR SAFETY FUNCTION OF SV DISCHARGE TEE.

PIPING LINE LIST									
LINE NO.	LINE SIZE	PIPE	DESIGN	DESIGN	DESIGN	DESIGN	DESIGN	DESIGN	DESIGN
MS-1A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-2A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-3A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-4A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-5A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-6A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-7A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-8A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-9A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-10A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-11A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-12A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-13A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-14A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-15A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-16A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-17A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-18A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-19A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-20A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-21A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-22A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-23A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-24A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-25A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-26A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-27A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-28A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-29A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5
MS-30A	18"	CS-5	1250	575	1.5	1.5	1.5	1.5	1.5

- NOTES:
1. UNLESS OTHERWISE NOTED ALL VALVE, INSTRUMENT NO. & SPECIALTIES TO BE PREFIXED BY SYS. NO. 2 FOR EXAMPLE: VALVE V-16 ACTUAL TAGGING SHALL BE V-16 VALVE IDENTIFICATION NO. 16 INSTRUMENT NO. 16 ACTUAL TAGGING SHALL BE V-16 INSTRUMENT IDENTIFICATION NO. 16 FOR SPECIALTY: SE-39 ACTUAL TAGGING SHALL BE SE-39 TYPED OF SPECIALTY SYSTEM NO. SPECIALTY IDENTIFICATION NO.
 2. STEAM LINES AND RECIRC LINES ENCLOSED IN BOXES SHALL HAVE PARTS NUMBERS CORRESPONDING TO ITS RESPECTIVE LINE OR LOOP NO.
 3. PIPING FURNISHED BY GE
 4. A SEPARATE LINE TO BE RUN INTO THE SUPPRESSION CHAMBER THROUGH THE VENT PIPING FOR EACH INDIVIDUAL RELIEF VALVE APPLIES TO RV 71A, B, C & D.
 5. UNLESS OTHERWISE NOTED, ALL BRANCH COUPLERS FOR DRAINS, VENTS AND TEST SHALL BE OF SAME MATERIAL & SPECIFICATION AS THE HEADER UP TO AND INCLUDING SECOND SHUT-OFF VALVE.
 6. UNLESS OTHERWISE NOTED ALL OPEN DRAINS & VENTS SHALL BE OF CS-1, 1/2" PIPING.
 7. CAPS NOT REQUIRED FOR SYSTEM INTEGRITY.
 8. DECONTAMINATION CONNECTION TO BE READILY ACCESSIBLE FOR CONVENIENT AND RAPID CONNECTION OF TEMPORARY PIPING.
- (FOR CONTINUATION OF NOTES SEE A-15)

REFERENCE

- RCN NUCLEAR BOILER MISC. SYS. 5920-611
- RCN RECIRCULATION FLOW CONTROL 5920-612
- RCN RESIDUAL HEAT REMOVAL SYSTEM (3 SHEETS) 5920-613
- IED FEEDWATER CONTROL SYSTEM 5920-614
- IED PROCESS RADIATION MONITORING SYS. 5920-615
- IED NEUTRON MONITORING SYSTEM (2 SHEETS) 5920-616
- IED REACTOR PROTECTION SYSTEM (3 SHEETS) 5920-617
- GE-APED MASTER PARTS LIST PCF194X84(2)

DRAWINGS

- PIPING & INSTRUMENT SYMBOLS 3-191155
- FLOW DIAGRAM-MAIN EXTRACTION & AUXILIARY STEAM SYS. G-191156
- FLOW DIAGRAM- FEEDWATER, CONDENSATE & AIR EVACUATION SYSTEM G-191157
- FLOW DIAGRAM- CORE SPRAY SYSTEM G-191158
- FLOW DIAGRAM- HIGH PRESSURE COOLANT INJECTION SYSTEM SH-102 G-191159
- FLOW DIAGRAM- CONTROL ROD DRIVE HYDRAULIC SYSTEM G-191170
- FLOW DIAGRAM- STANDBY LIQUID CONTROL SYSTEM G-191171
- FLOW DIAGRAM- RESIDUAL HEAT REMOVAL SYSTEM G-191172
- FLOW DIAGRAM- REACTOR CORE ISOLATION COOLING SYSTEM SH-102 G-191173
- DIAGRAM-NUCLEAR BOILER VESSEL INSTR. G-191267
- FLOW DIAGRAM- REACTOR WATER CLEAN-UP SYSTEM SH-102 G-191178
- FLOW DIAGRAM- PRIMARY CONTAINMENT ATMOS. CONTROL SYS. G-191175
- FLOW DIAGRAM- SERVICE & INSTRUMENT AIR SYSTEMS SH-244 G-191160
- FLOW DIAGRAM- CIRCULATING WATER & MISC. SYSTEM G-191166

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

- AUTOMATIC DEPRESSURIZATION SYSTEM AMRM-04
- HIGH PRESSURE COOLANT INJECTION SYSTEM AMRM-05
- REACTOR CORE ISOLATION COOLING SYSTEM AMRM-06
- INSTRUMENT AIR SYSTEM AMRM-16
- PRIMARY CONTAINMENT PENETRATIONS AMRM-20
- MAIN CONDENSER AND MSIV LEAKAGE PATHWAY AMRM-26
- REACTOR VESSEL AMRM-31
- REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMRM-33

REPRODUCED FROM ORIGINAL GE DWG 7206947 R-2

REV	DESCRIPTION	BY	CHKD.	APPD.
74	REVISED PER VY 2003-013, 7-2-04 / 7-5-04	NL	WD	PAR
75	REVISED PER VY 2005-1202, 4-22-05 / 5-5-05	PDH	WD	JGR
76	REVISED PER VY 2007-007, 10-22-07 / 11-1-07	PDH	WD	JGR

0 11-21-05

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-G-191167-0						
G-191167-75.DGN						
G-191167-CALS_75.CAL						

THIS IS AN FSAR DRAWING