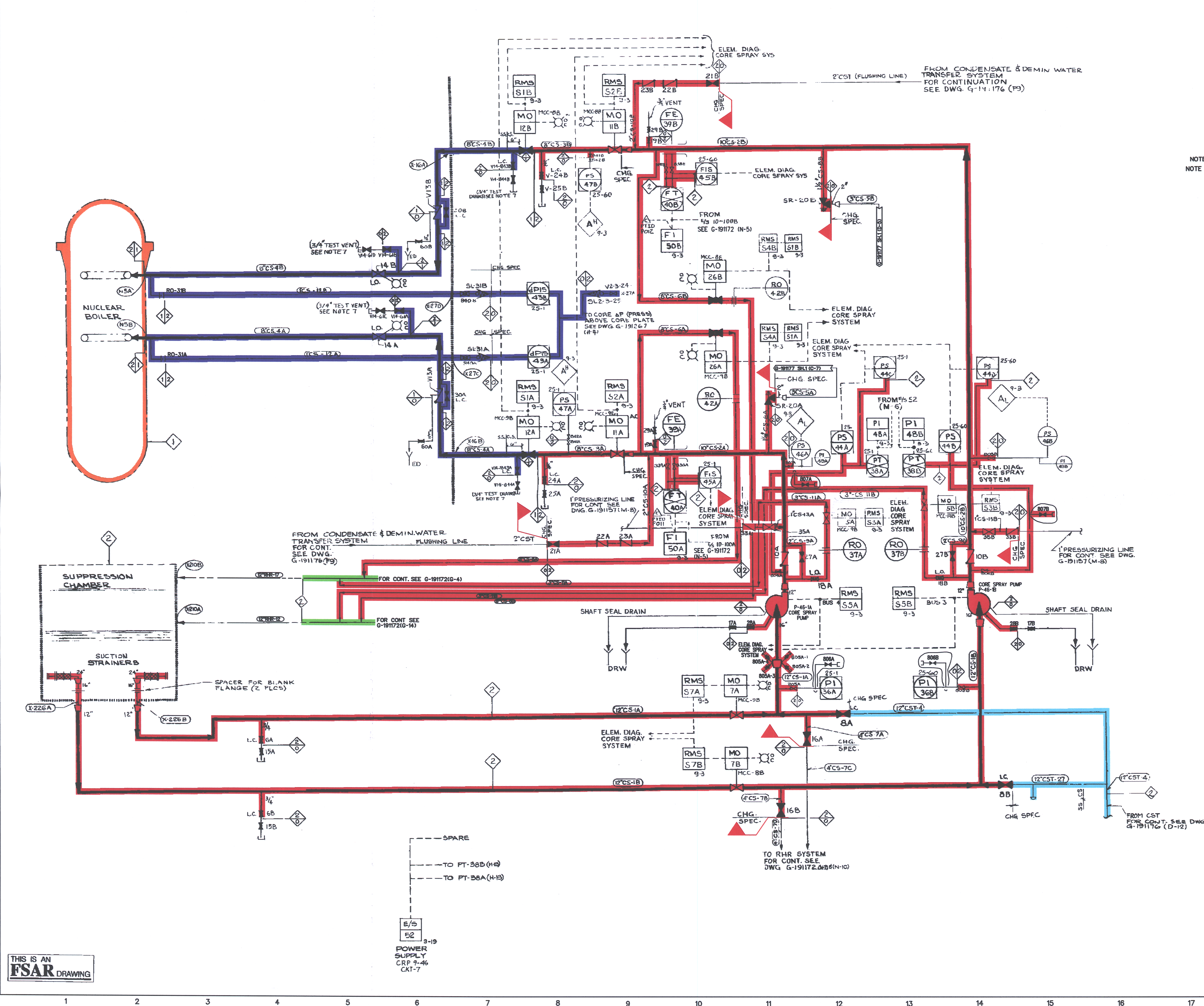


G-191168



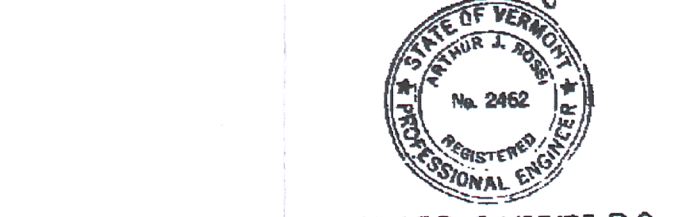
PIPING LINE LIST									
LINE NO.	LINE SIZE	SCH.	MAT'L	PRESS. (PSI)	TEMP. (°F)	TRACED	LOC.	LOC.	LOC.
CS-1A,1B	12"	STD	CS-1	150	185	1.2	1.1	1.1	1.1
CS-2A,2B	10"	STD	CS-2	450	185	1.2	1.1	1.1	1.1
CS-3A,3B	8"	STD	CS-3	1250	185	1.1	1.1	1.1	1.1
CS-4A,4B	8"	STD	CS-4	1250	185	1.1	1.1	1.1	1.1
CS-5A,5B	3"	STD	CS-1	150	185	1.7	1.1	1.1	1.1
CS-6A,6B	8"	STD	CS-2	450	185	1.2	1.1	1.1	1.1
CS-7A,7B	4"	STD	CS-2	450	185	1.2	1.1	1.1	1.1
CS-8A,8B	2 1/2"	STD	CS-2	450	185	1.2	1.1	1.1	1.1
CS-9A,9B	3"	STD	CS-2	450	185	1.2	1.1	1.1	1.1
CS-10A,10B	1"	STD	CS-2	450	185	1.1	1.1	1.1	1.1
CS-11A,11B	4"	STD	CS-2	450	185	1.6	1.1	1.1	1.1
CS	2 1/2"	STD	CS-1	150	185	1.7	1.1	1.1	1.1
CS	2 1/2"	STD	CS-1	150	185	1.7	1.1	1.1	1.1

LEGEND  
△ - ERFIS COMPUTER DATA SYSTEM

NOTES:  
UNLESS OTHERWISE NOTED ALL VALVES, INSTRUMENT NUMBERS AND SPECIFICATIONS TO BE PREPARED BY SYSTEM NUMBER 14 OR BY OPS CODE CS.  
FOR EXAMPLE: FOR VALVE V-23  
SYSTEM VALVE DESIGNATION NO. V-23  
FOR INSTRUMENT - PI-88  
ACTUAL TAGGING SHALL BE PI-CS(14)-88  
TYPE OF INSTRUMENT - ST-3  
SYSTEM INSTRUMENT DESIGNATION NO. ST-3  
FOR SPECIALTY - ST-3  
ACTUAL TAGGING SHALL BE ST-CS(14)-3  
TYPE OF SPECIALTY - ST-3  
SYSTEM SPECIALTY IDENTIFICATION NO. ST-3  
2. UNLESS OTHERWISE NOTED ALL BRANCH CONNECTIONS FOR DRAINS, VENTS AND TEST SHALL BE OF SAME MATERIAL & SPECIFICATION AS THE HEADER UP TO AND INCLUDING SECOND SHUT-OFF VALVE.  
3. UNLESS OTHERWISE NOTED ALL OPEN DRAINS AND VENTS SHALL BE CS-1,17 PIPING.  
4. FOR INSTRUMENTS WITHOUT RACK NUMBERS SEE INSTRUMENTATION INSTALLATION DETAILS FOR MONITORING.  
5.  
6. PIPE MATERIAL FROM VESSEL TO 3/4" REMAINING CS-4A & 4B PIPE IS SS-6.  
7. CAPS NOT REQUIRED FOR SYSTEM INTEGRITY.  
8. INSTRUMENTATION AND TUBING CONFIGURATION NECESSARY TO SUPPORT A CLOSED LOOP OUTSIDE CONTAINMENT HAS BEEN SEVERALLY EVALUATED TO 10% OF THE AND MEMOS VM-225A,76 AND VM-225B,76.  
9. 12" CS-1A IS DESIGNED TO 185" FROM V14-8A TO 12" CS-1A.  
10. 12" CS-27 IS DESIGNED TO 185" FROM V14-8B TO 12" CS-27.

REFERENCE DRAWINGS:  
LIST OF DRAWINGS  
VALVE & SPECIALTY LIST - A-191134  
PIPING & INSTRUMENT SYMBOLS - B-191137  
FLOW DIAGRAM RESIDUAL HEAT REMOVAL SYSTEM - G-191155  
REACTOR CORE SPRAY PIPING PLAN - G-191205  
FLOW DIAGRAM FEEDWATER, CONDENSATE & AIR EVACUATION SYSTEMS - G-191157  
FLOW DIAGRAM CONDENSATE & DEMIN. WATER TRANSFER SYSTEM - G-191176  
DIAGRAM NUCLEAR BOILER VESSEL INSTR. - G-191267  
FLOW DIAGRAM NUCLEAR BOILER - G-191167  
F.C.D. CORE SPRAY SYSTEM - G-191177  
G.E. APD MASTER PARTS LIST - FCF 194X84A(14)  
CS SUCTON STRAINER COMPONENTS (EDR 77-423) - 5920-6683

AS BUILT  
DATE 12-12-72



REPRODUCED FROM ORIGINAL GE DWG 148477 P-0			
4.3	REVISED PER MUSE 2002-009, JO 2002-0041	7-28-04	7-28-04
4.2	REVISED PER CU ER 2002-0784-01	8-7-02	8-7-02
REV	DESCRIPTION	BY	CHKD. APPD.
ENTERGY NUCLEAR VERMONT YANKEE VERMONT, VERMONT			
FLOW DIAGRAM CORE SPRAY SYSTEM			
DRAWING NO. G-191168			

- COMPONENTS SUBJECT TO AMR
- RESIDUAL HEAT REMOVAL SYSTEM AMRM-02
  - CORE SPRAY SYSTEM AMRM-03
  - REACTOR CORE ISOLATION COOLING SYSTEM AMRM-06
  - REACTOR VESSEL AMRM-31
  - REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMRM-33

NO. 11-15-05			
NO.	DATE	DESCRIPTION	BY ENG CHK APP
REVISIONS			
LRA-G-191168-0			
DOW FILE LRA-G-191168_43.DGN			
PARTIAL FILE G-191168_43.TIF			