

TABLE A
ELECTRICAL PENETRATION COMPARTMENT LIST

NO.	DESCRIPTION	TYPE	CLASSIFICATION	STATUS
1	1-100V	1-100V	1-100V	1-100V
2	1-100V	1-100V	1-100V	1-100V
3	1-100V	1-100V	1-100V	1-100V
4	1-100V	1-100V	1-100V	1-100V
5	1-100V	1-100V	1-100V	1-100V
6	1-100V	1-100V	1-100V	1-100V
7	1-100V	1-100V	1-100V	1-100V
8	1-100V	1-100V	1-100V	1-100V
9	1-100V	1-100V	1-100V	1-100V
10	1-100V	1-100V	1-100V	1-100V
11	1-100V	1-100V	1-100V	1-100V
12	1-100V	1-100V	1-100V	1-100V
13	1-100V	1-100V	1-100V	1-100V
14	1-100V	1-100V	1-100V	1-100V
15	1-100V	1-100V	1-100V	1-100V
16	1-100V	1-100V	1-100V	1-100V
17	1-100V	1-100V	1-100V	1-100V
18	1-100V	1-100V	1-100V	1-100V
19	1-100V	1-100V	1-100V	1-100V
20	1-100V	1-100V	1-100V	1-100V

PIPING LINE LIST

LINE NO.	LINE SIZE	SEC.	MAT'L	WTG.	TEMP.	CLASS.	LOC.
AC-1	18"	STD	CS-1	100	300	1-2	(K-4)
AC-2	18"	STD	CS-1	100	300	1-6	(H-4)
AC-3	8"	STD				1-2	(L-3)
AC-4	3"	STD				1-6	(L-1)
AC-5	18"	STD				1-2	(E-4)
AC-6	18"	STD				1-6	(E-1)
AC-7	3"	STD				1-2	(F-2)
AC-8	3"	STD				1-6	(F-1)
AC-9	6"	STD				1-6	(G-1)
AC-10	20"	STD				1-6	(G-1)
AC-11	20"	STD				1-2	(G-1)
AC-12	20"	STD				1-6	(G-1)
AC-13	10"	STD				1-2	(G-1)
AC-14	18"	STD				1-6	(G-1)
AC-15	18"	STD				1-2	(G-1)
AC-17	1"	BP	CS-1	200	325	1-1	(K-2)
AC-18	1"	BP	CS-1	200	325	1-2	(K-1)
AC-19	1"	BP	CS-1	200	325	1-2	(K-1)
AC-20	2"	BP	CS-1	100	300	1-6	(K-1)
AC-22	8"	40	CS-1	100	300	-	(G-7)

* THE FOLLOWING DESIGN TEMP. RANGES ARE APPLICABLE TO LINES 1" AC-17, 18 AND 19.
NORMAL CONDITIONS: 50°F to 100°F
ABNORMAL CONDITIONS: 32°F to 325°F
LINE 2" AC-19 FROM 1" AC-19 TO FLOW INDICATOR FI-150-4 HAS A DESIGN TEMP. RANGE OF 50°F to 100°F. THIS LINE WILL NOT EXPERIENCE ABNORMAL TEMPERATURES

- LEGEND:
△ - ERFIS COMPUTER DATA SYSTEM
- NOTES:
1. UNLESS OTHERWISE NOTED, ALL BRANCH CONNS. FOR DRAINS, VENTS AND TEST SHALL BE OF SAME MATERIAL & SPECIFICATION AS THE HEADER UP TO AND INCLUDING SECOND SHUT-OFF VALVE.
2. UNLESS OTHERWISE NOTED, ALL OPEN DRAINS & VENTS TO BE CS-1/7 PIPING.
3. THIS VALVE SWITCH SUPPLIED WITH A KEY LOCK WHICH ALLOWS THE OPERATOR TO OVERRIDE THE PRIMARY CONTAINMENT ISOLATION SIGNAL.
4. d PS-16-19-32 WILL OPEN VALVES WHEN PRESSURE IN THE SUPPRESSION CHAMBER IS 0.5 PSIG LOWER THAN ATMOSPHERE IF THE CONTROL SWITCH IS IN AUTO.
5. THE ORDER THAT THE PENETRATION ALPHA DESIGNATOR IS STATED IS THE SAME FOR EACH OF THESE FOUR PENETRATIONS. THIS IS RELATED TO X-201F, X-202E & X-203E.
7. REFER TO RETIRED IN PLACE PER PDCR 94-021 REFERENCE DRAWINGS:
A-191134
B-191157
C-191155
D-191160
E-191164
F-191238
G-191238
H-191238
I-191238
J-191238
K-191238
L-191238
M-191238
N-191238
O-191238
P-191238
Q-191238
R-191238
S-191238
T-191238
U-191238
V-191238
W-191238
X-191238
Y-191238
Z-191238

SYSTEM INTENDED FUNCTION BOUNDARY

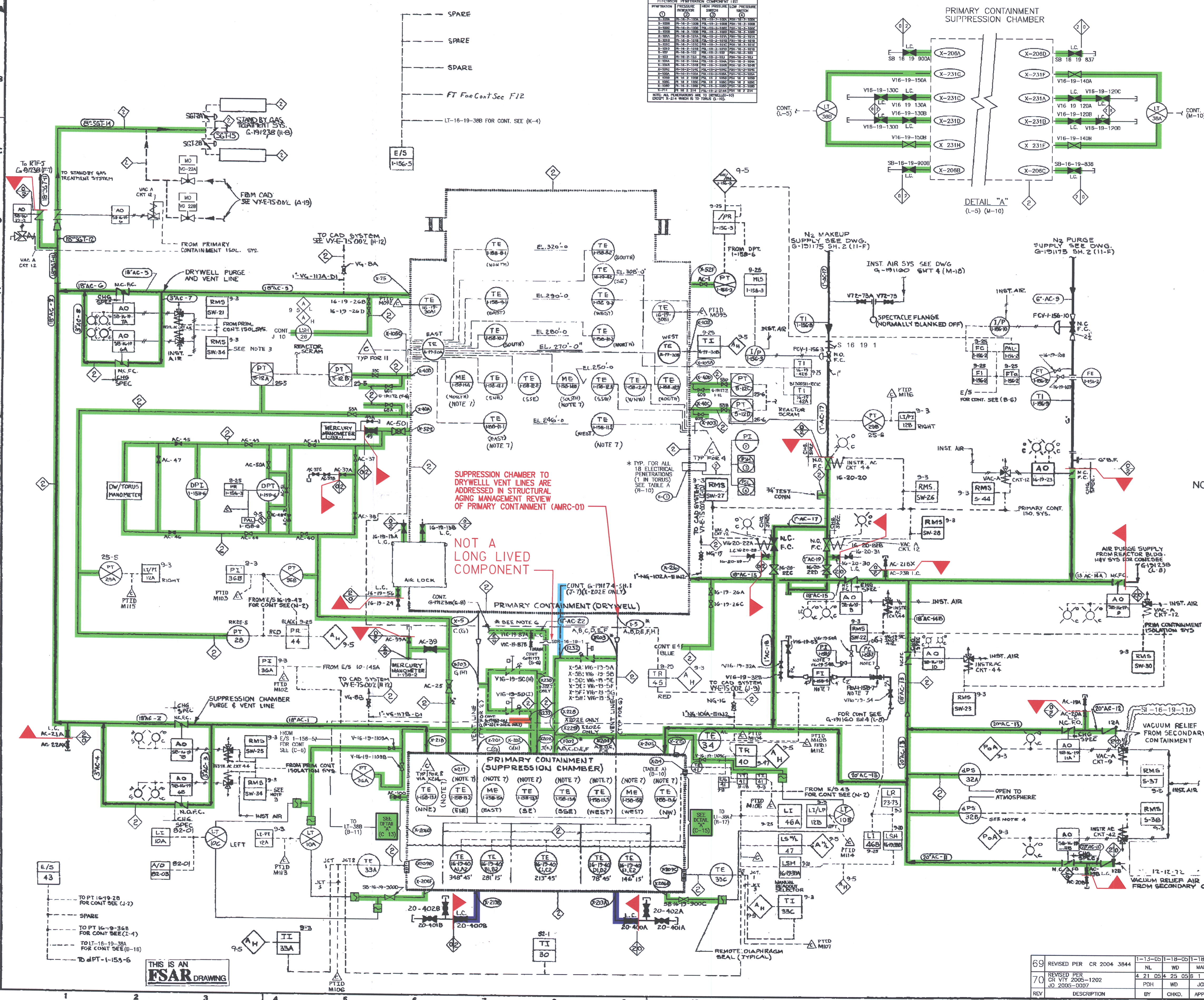
- COMPONENTS SUBJECT TO AMR
- HIGH PRESSURE COOLANT INJECTION SYSTEM AMRM-05
 - REACTOR CORE ISOLATION COOLING SYSTEM AMRM-06
 - PRIMARY CONTAINMENT AND ATMOSPHERE CONTROL AND ATMOSPHERE DILUTION SYSTEM AMRM-08
 - PRIMARY CONTAINMENT PENETRATIONS AMRM-20

VERMONT Yankee NUCLEAR POWER CORPORATION
VERMONT Yankee NUCLEAR POWER STATION
VERMONT, VERMONT
FLOW DIAGRAM
PRIMARY CONT'N'T & ATMOS. CONTROL SYSTEM

REPRODUCED FROM G.E. DWG 729E532 REV 3 & DWG 729E585 REV 2

NO.	DATE	DESCRIPTION	BY	CHK	APP
0	8-15-05				

REVISIONS
LRA-G-191175-SH-01-0
G-191175
SHT. 1 of 2



THIS IS AN FSAR DRAWING

35