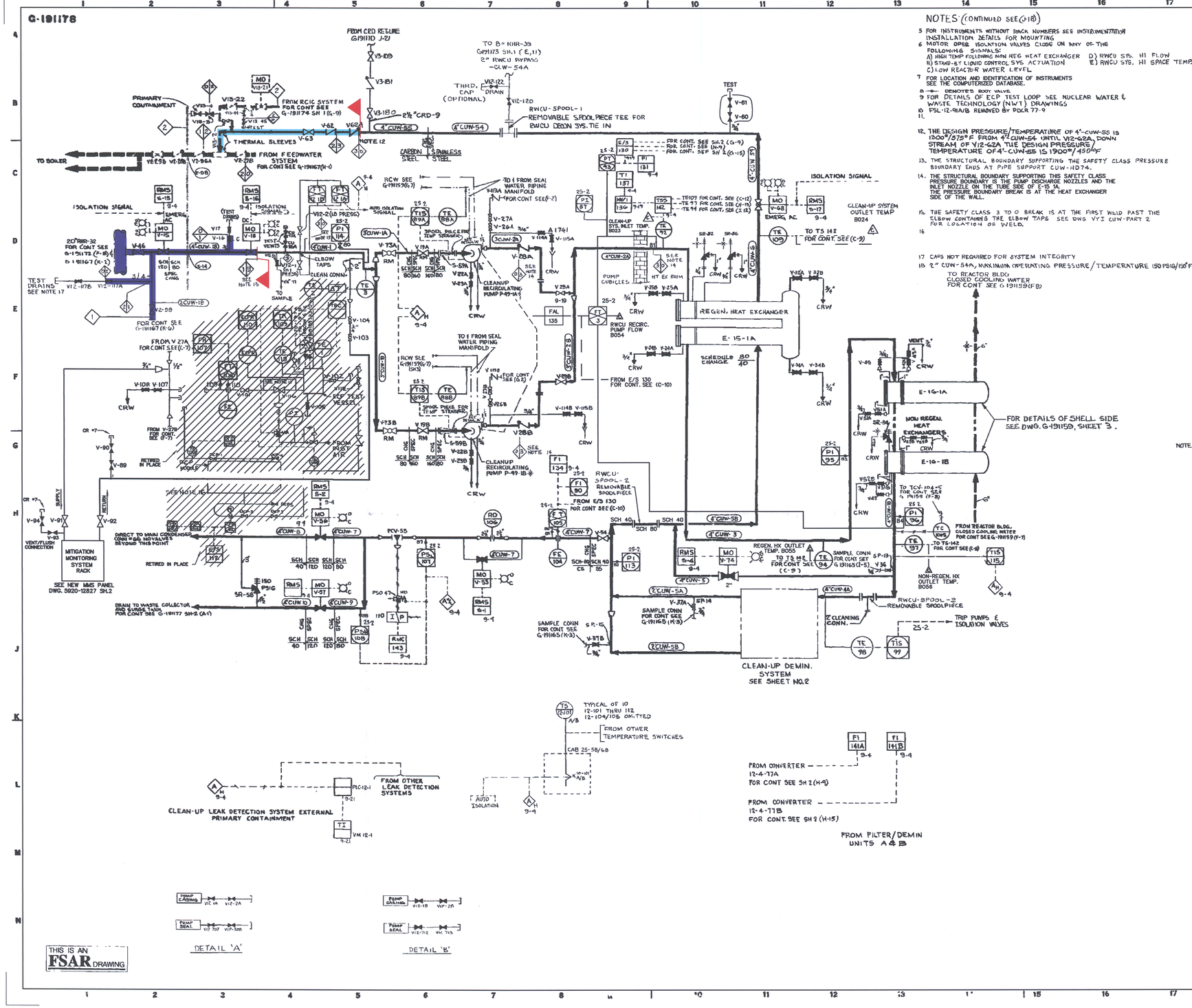
G-191178



NOTES (CONTINUED SEE G-18)

5 FOR INSTRUMENTS WITHOUT RACK NUMBERS SEE INSTRUMENTATION INSTALLATION DETAILS FOR MOUNTING
6 MOTOR OPER. ISOLATION VALVES CLOSE ON ANY OF THE FOLLOWING SIGNALS:
A) HIGH TEMP FOLLOWING NON REG HEAT EXCHANGER
B) STAND-BY LIQUID CONTROL SYS ACTUATION
C) LOW REACTOR WATER LEVEL
D) RWCU SYS. HI FLOW
E) RWCU SYS. HI SPACE TEMP.
7 FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE THE COMPUTERIZED DATABASE.
8 ⊸ DENOTES BODY VALVE
9 FOR DETAILS OF ECP TEST LOOP SEE NUCLEAR WATER & WASTE TECHNOLOGY (NWT) DRAWINGS
10 FSL-12-91A/B REMOVED BY PDCR 77-9
11.
12. THE DESIGN PRESSURE/TEMPERATURE OF 4"-CUW-55 IS 1300#/575°F FROM 4"CUW-54 UNTIL V12-62A, DOWN STREAM OF V12-62A THE DESIGN PRESSURE/TEMPERATURE OF 4"-CUW-55 IS 1900#/100°F
13. THE STRUCTURAL BOUNDARY SUPPORTING THE SAFETY CLASS PRESSURE BOUNDARY ENDS AT PIPE SUPPORT CUW-H074.
14. THE STRUCTURAL BOUNDARY SUPPORTING THIS SAFETY CLASS PRESSURE BOUNDARY IS THE PUMP DISCHARGE NOZZLES AND THE INLET NOZZLE ON THE TUBE SIDE OF E-15 1A. THE PRESSURE BOUNDARY BREAK IS AT THE HEAT EXCHANGER SIDE OF THE WALL.
15. THE SAFETY CLASS 3 TO 0 BREAK IS AT THE FIRST WELD PAST THE ELBOW CONTAINING THE ELBOW TAPS SEE DWG V-1 CUW-PART 2 FOR LOCATION OF WELD.
16
17 CAPS NOT REQUIRED FOR SYSTEM INTEGRITY
18 2" CUW-54A, MAXIMUM OPERATING PRESSURE/TEMPERATURE 150 PSIG/150°F TO REACTOR BLDG CLOSED COOLING WATER FOR CONT SEE G 191159(F-8)

PIPING LINE LIST

	LINE NO	LINE SIZES	PIPE SCH	PIPE MATL	DESIGN PRESS PSIG	DESIGN TEMP °F	SEARCH SPEC PART NO	LOC'N
	CUW-1/1A/1B	4"/5	80	SS-6	1150	575	1.5R	B11
	2A,2B	4"/3"	80-80	SS-6	1500	575	1.5R	B11
	3	4	80	SS-6	1500	575	1.5R	B11
	4A,4B	4/3x2	80-80	SS-5	1300	150	1.5R	B11
	5,5A,5B	4/3x2	80-80	SS-5	1300	150	1.5R	B11
	6	4	80	SS-6	1300	575	1.5R	B11
	7	4	80	CS-5	1500	150	1.6R	B11
	8	4"	STD	CS-1	150	150	1.6	B11
	9	4"	80	CS-8	1500	150	1.6R	B11
	10	4"	STD	CS-1	150	150	1.6	B11
	11	3"/2	STD-80	CS-1	150	150	1.6R	B11
	12A,12B	2	160	CS-5	1300	150	1.5R	B11
	13A,13B	2"	160	CS-5	1300	150	1.5R	B11
	14	3"/2"	160-80	CS-1	150	150	1.6R	B11
	15	3"/2	STD-80	CS-1	150	150	1.6	B11
	16	3	STD	CS-1	150	150	1.6R	B11
	17	3/2	STD-80	CS-1	150	150	1.6	B11
	18	4	80	SS-6	1250	575	1.1	B11
	19	2	160	SS-6	1250	575	1.1	B11
	20A,20B	1	160	CS-5	1300	150	1.8R	B11
	21A,21B	3/2,1"	80-80	CS-3/CU-1	1500/150	150	1.9	B11
	22	1"	80	CS-1	150	150	1.6	B11
	23	2 & 1	80-80	CS-1	150	150	1.6	B11
	24	1"	80	CS-1	150	150	1.6	B11
	25	1,3/4	80	CS-1	150	150	1.6	B11
	26	3/1	40-80	CS-1	150	150	1.6	B11
	27A,27B	1"	80	SS-5	1300	150	1.5	B11
	28A,28B	1"	80	SS-5	1300	150	1.5	B11
	29A,29B	1/2	80	SS-5	1300	150	1.5	B11
	30A,30B	2"/1 1/2"	80	SS-5	1300	150	1.5	B11
	31A,31B	1/2	160	CS-5	1300	150	1.5	B11
	32A,32B	1/2"&1	160	CS-5	1300	150	1.5	B11
	33A,33B	1/2"	80	CS-1	150	150	1.6	B11
	34	3,1/2,1/2	80	CS-1	150	150	1.6	B11
	35	2 & 1/2	80	CS-1	150	150	1.6	B11
	36A,36B	1 1/2"	80	SS-5	1300	150	1.5	B11
	37A,37B	1"	160	CS-5	1300	150	1.5	B11
	38A,38B	1/2"	80	CS-1	150	150	1.5	B11
	39	2 & 1"	80	CS-1	150	150	1.6	B11
	40A,40B	3	80	SS-5	1300	150	1.5R	B11
	41A	4"	STD	CS-1	150	150	1.6	B11
	42A,42B	4"	STD	CS-1	150	150	1.6	B11
	43A,43B	4/2"	STD	CS-1	150	150	1.6R	B11
	44	1"	80	CS-1	150	150	1.6	B11
	45A,45B	3"	STD	CS-1	150	150	1.6R	B11
	46A,46B	4"	STD	CS-1	150	150	1.6R	B11
	47A,47B	6"	STD	CS-1	150	150	1.7	B11
	48A,48B	2"	80	CS-1	150	150	1.6	B11
	49A,49B	2"	80	CS-1	150	150	1.7	B11
	50A,50B	1"/2"	80				1.6	B11
	51	1 1/2	80				1.6	B11
	52	3"	STD				1.6R	B11
	53	3"	STD				1.7	B11
	54	4"	120	SS-6	1500	575	1.4R	B11
	55	4"	120	CS-5	1900	100	1.1	B11
	56A,56B	1"/2	80	SS-5	1500	150	1.6	B11
	57A,57B	1"/2	80	SS-5	1500	150	1.6	B11
	58	1	80	CS-1	150	150	1.6R	B11
	59A,B	2"	80	CS-1	150	150	1.6	B11
	60	2"	80	CS-1	150	150	1.6	B11
	61	2"	80	CS-1	150	150	1.6	B11
	62	4"	40	CS-1	150	150	1.6	B11
NOTE 18	CUW-54A	2"	160	SS-6	1500	575		B-9

NOTES

1 UNLESS OTHERWISE NOTED ALL VALVES, INSTRUMENT NUMBERS AND SPECIALTIES TO BE PREFIXED BY SYSTEM NO 12
FOR EXAMPLE: FOR VALVE V-14.
ACTUAL TAGGING SHALL BE V12-14
SYSTEM NO
VALVE DESIGNATION NO
FOR INSTRUMENT PI-35
ACTUAL TAGGING SHALL BE PI-12-35
TYPE OF INSTRUMENT
SYSTEM NO
INSTRUMENT DESIGNATION NO
FOR SPECIALTY SF-55
ACTUAL TAGGING SHALL BE SF-12-55
TYPE OF SPECIALTY
SYSTEM NO
SPECIALTY DESIGNATION NO.

2 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

3 UNLESS OTHERWISE NOTED ALL OPEN DRAINS AND VENTS SHALL BE 05-1.1 PIPING

4 ⊠ DENOTES:-EQUIPMENT BY OTHERS

(FOR CONTINUATION OF NOTES SEE G-14.)

REFERENCE DRAWINGS

PIPING & INSTRUMENT SYMBOLS	G 191155
FLOW DIAGRAM - SERVICE & COOLING WATER SYSTEMS	G-191159
FLOW DIAGRAM - NUCLEAR BOILER	G-191167
FLOW DIAGRAM - REACTOR CORE ISOLATION COOLING SYSTEM	G-191174
REACTOR WATER CLEAN-UP SYSTEM PIPING - PLAN	G-191216
FLOW DIAGRAM - RADWASTE SYSTEM	G-191177
FLOW DIAGRAM - CONDENSATE & DEMIN WATER TRANSFER SYSTEM	G-191176
FLOW DIAGRAM - SERVICE & INSTRUMENT AIR SYSTEMS	G-191160
FLOW DIAGRAM SAMPLING SYSTEM	G-191165
GE-APED MASTER PARTS LIST	FCF 194X844/12 FCF 728X340/12-9
NWT-ECP TEST-FLOW DIAGRAM	760B717
NWT-ECP TEST LOOP PIPING	760C118

REV	DESCRIPTION	BY	CHKD.	APPD.
49	REVISED PER NOSE 2004-014, WO 03-5250-000	4-13-04 NL		
48	REVISED PER NM 2001-043, WO 2003-0015	8-4-03 NL	8-4-03 WD	8-5-03 BJ

Entergy Nuclear Northeast

ENTERGY NUCLEAR VERMONT YANKEE
VERNON, VERMONT

DRAWING TITLE: FLOW DIAGRAM REACTOR WATER CLEAN-UP SYSTEM

DRAWING NO. G-191178 SH. 1

REACTOR CORE ISOLATION COOLING SYSTEM AMRM-06
REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMRM-33
AMR BOUNDARY

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	3-29-05					

REVISIONS

LRA-G-191178-SH-01-0

CAD FILE LRA-G-191178-SH-01_49.DGN
RASTER FILE G-191178-SH-01_49.TIF

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