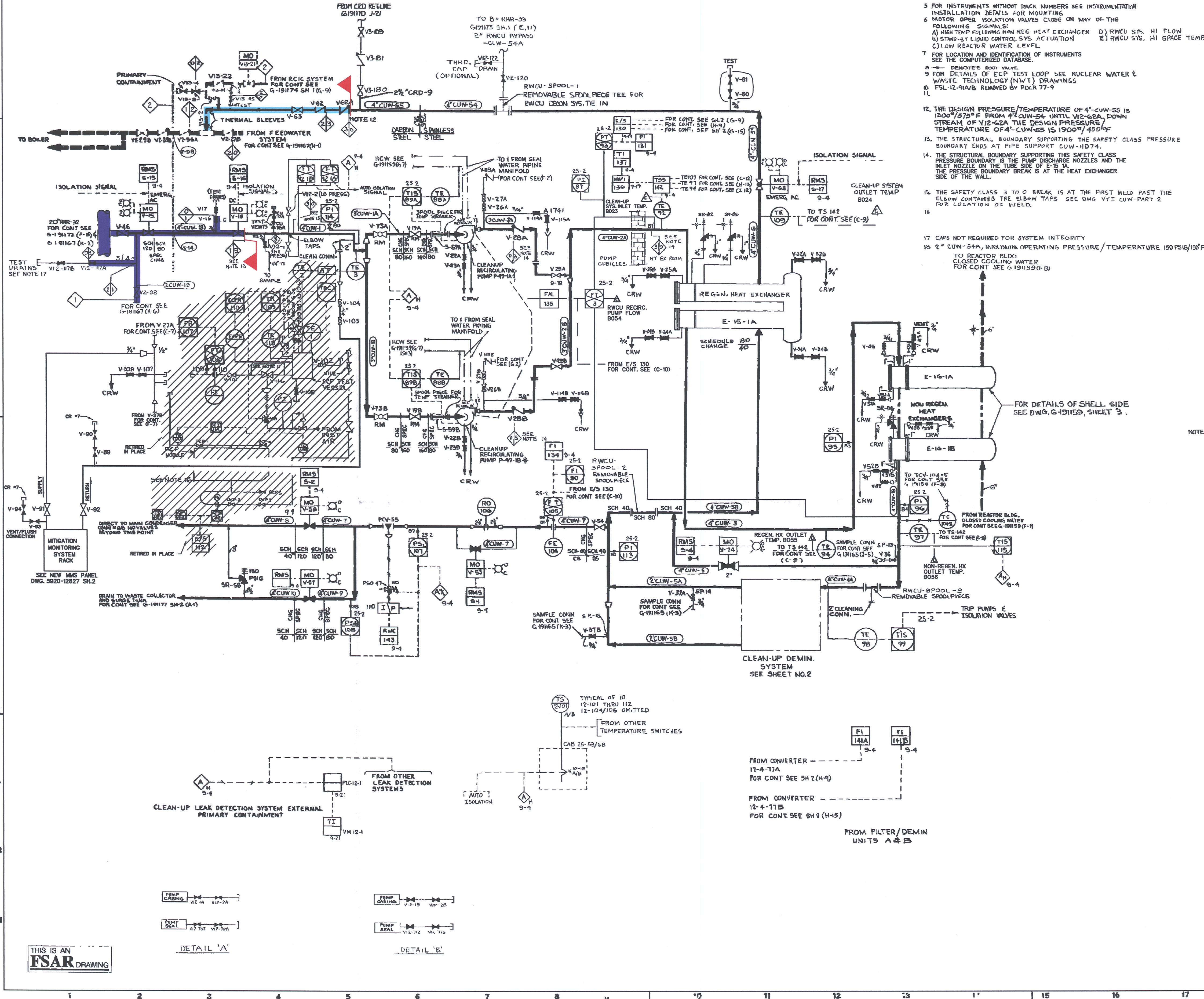


G-191178



NOTES (CONTINUED SEE (P18))

- 5 FOR INSTRUMENTS WITHOUT TAG NUMBERS SEE INSTRUMENTATION INSTALLATION SIGNALS
- 6 MOTOR OPER. ISOLATION VALVES CLOSE ON ANY OF THE FOLLOWING SIGNALS:
 - A) HIGH TEMP FOLLOWING NON REG HEAT EXCHANGER
 - D) RWCU SYS. HI FLOW
 - B) STAN-BY LIQUID CONTROL SVCS ACTUATION
 - E) RWCU SYS. HI SPACE TEMP
 - C) LOW REACTOR WATER LEVEL
- 7 FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE THE COMPUTERIZED DATABASE.
- 8 - DENOTES ROOF VALVE
- 9 FOR DETAILS OF ECP TEST LOOP SEE NUCLEAR WATER & WASTE TECHNOLOGY (NWT) DRAWINGS
- 10 PSL-12-9A/B REMOVED BY PDCR 77-9
- 11
- 12 THE DESIGN PRESSURE/TEMPERATURE OF 4"-CUW-54 IS 1300/575°F FROM 4" CUW-54 UNTIL V12-62A, DOWN STREAM OF V12-62A THE DESIGN PRESSURE/TEMPERATURE OF 4"-CUW-54 IS 1500/650°F
- 13 THE STRUCTURAL BOUNDARY SUPPORTING THE SAFETY CLASS PRESSURE BOUNDARY ENDS AT PIPE SUPPORT CUW-1074.
- 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 V11 CUW-PART 2 FOR LOCATION OF WELD.
- 16
- 17 CAPS NOT REQUIRED FOR SYSTEM INTEGRITY
- 18 2" CUW-54A, MAXIMUM OPERATING PRESSURE/TEMPERATURE 180 PSIG/150°F

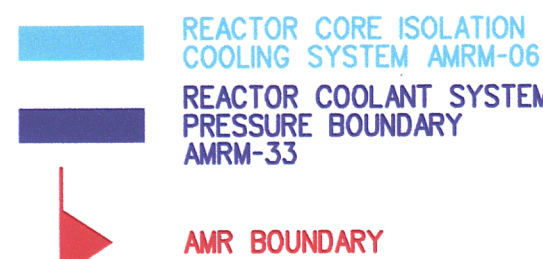
| PIPING LINE LIST | | | | | | | | | |
|------------------|-----------|------|-------|--------------------|-----------------|--------|--------|--------|--------|
| LINE NO. | LINE SIZE | SCH. | MATL. | DESIGN PRESS. PSIG | DESIGN TEMP. °F | LOC. # | LOC. # | LOC. # | LOC. # |
| CUW-1A/B | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-2 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-3 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-4 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-5 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-6 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-7 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-8 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-9 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-10 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-11 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-12 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-13 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-14 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-15 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-16 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-17 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-18 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-19 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-20 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-21 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-22 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-23 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-24 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-25 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-26 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-27 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-28 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-29 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-30 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-31 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-32 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-33 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-34 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-35 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-36 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-37 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-38 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-39 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-40 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-41 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-42 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-43 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-44 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-45 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-46 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-47 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-48 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-49 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-50 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-51 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-52 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-53 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |
| CUW-54 | 4" | 80 | CS-6 | 1300 | 575 | 15R | 15R | 15R | 15R |

- NOTES
- UNLESS OTHERWISE NOTED ALL VALUES, 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 NC FOR INSTRUMENT P1-25 ACTUAL TAGGING SHALL BE P12-25 TYPE OF INSTRUMENT SYSTEM NO. INSTRUMENT DESIGNATION NO. FOR SPECIALTY 55-55 ACTUAL TAGGING SHALL BE 55-1255 TYPE OF SPECIALTY SYSTEM NO. SPECIALTY DESIGNATION NO.
 - 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.
 - UNLESS OTHERWISE NOTED ALL OPEN DRAINS AND VENTS SHALL BE 05-1, (1) PIPING
 - * DENOTES-EQUIPMENT BY OTHERS
- (FOR CONTINUATION OF NOTES SEE (A-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- RADIWASTE 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-APSD MASTER PARTS LIST | FCF 1948447, FCF 72829406 |
| NWT-ECP TEST - FLOW DIAGRAM | 7608717 |
| NWT-ECP TEST LOOP PIPING | 760C/18 |

| | | | | | |
|--|--|---------|--------|--------|--------|
| 4.0 | REVISED PER WOSE 2004-014, WND 03-5250-000 | 4-13-04 | ML | | |
| 4.0 | REVISED PER MM 2001-043, WND 2003-015 | 8-4-03 | 8-4-03 | 8-5-03 | ML |
| REV | DESCRIPTION | BY | CHKD. | APPD. | SUITED |
| ENTERGY NUCLEAR VERMONT YANKEE VERMONT, VERMONT | | | | | |
| DRAWING TITLE | | | | | |
| FLOW DIAGRAM REACTOR WATER CLEAN-UP SYSTEM | | | | | |
| DRAWING NO. | | | | | |
| G-191178 SH. 1 | | | | | |



| | | | | | | |
|--|---------|-------------|----|-----|-----|-----|
| 0 | 3-29-05 | DESCRIPTION | BY | ENG | CHK | APP |
| REVISIONS | | | | | | |
| LRA-G-191178-SH-01-0 CADD FILE: LRA-G-191178-SH-01-49.DGN PLOT FILE: G-191178-SH-01-49.TIF | | | | | | |

D-39