



- NOTES:**
1. FOR GENERAL NOTES, LEGEND, AND REFERENCE DWGS. SEE DWGS. M-2008 AND M-2286.
  2. FOR HOT WATER/CHILLED WATER SUPPLY & RETURN PIPING SEE DWGS. M-2208, M-2210, M-2211, M-2212, M-2213, M-2214, M-2215, M-2216, M-2217, M-2218, M-2219, M-2220, M-2221, M-2222.
  3. VUC-27A AND VUC-27B ARE INSTALLED INSIDE THE UNIT 1 CONTROL ROOM AND DRAW AIR FROM THE UNIT 1 CONTROL ROOM AIR SPACE. COOLING FLUID FOR THESE UNITS IS SUPPLIED BY 2VUC-43.
  4. RETURN AIR DUCTWORK DRAWS THROUGH CONTROL ROOM ANNUNCIATOR CABINET. AIR IS DRAWN INTO THE CABINET CONTROL ROOM AIR SPACE THROUGH TRANSFER GRILLS AT THE BASE OF THE CABINET.
  5. FIRE DAMPERS SHOWN WITH AN ASTERISK (\*) ARE ACTUALLY TWO DAMPERS WHICH CONSTITUTE THE FIRE BARRIER.
  6. SV-7811 & SV-7812 ARE INSTALLED ON DAMPER CV-7985. SV-7813 & SV-7814 ARE INSTALLED ON DAMPER CV-7987.
  7. INSTRUMENT AIR SUPPLY TO CV-7986 HAS BEEN DISCONNECTED.
  8. TC-9988 IS LOCATED IN OUTSIDE AIR DUCT PROVIDING SUCTION FOR VVF-7A.
  9. VPH-2 IS A 2 ELEMENT VAPORIZING HUMIDIFIER. VPH-3 IS A 3 ELEMENT HUMIDIFYING HUMIDIFIER.
  10. FD-1224-7-1 DENOTES FIRE DAMPERS. THE DIGITS FOLLOWING THE FD GENERALLY INDICATES THE ROOM NUMBER IN WHICH ACCESS TO THE DAMPER CAN BE MADE.
  11. NORMAL CONDITIONS: VUC-14A & C OFF, VEF-33 & 34 ON, VSF-78 ON, VVF-1 ON.
  12. EMERGENCY CONDITION: VUC-14A & C ON, VEF-33 & 34 OFF, VSF-78 OFF, VVF-1 & 2 ON. VVF-1 & 2 WILL BE OPERATED INTERMITTENTLY FOR REMOVAL UNDER EMERGENCY CONDITIONS.
  13. ZONE 100 DENOTES THE FIRE ZONE WHICH IS SERVED BY THE RESPECTIVE FANS SHOWN ON THIS DRAWING.
  14. FOR THE COMPUTER ROOM (ZONE-2162-D), NORMAL AIR FLOW VALUES ARE INDICATED WHEN 2VUC-43 AND 2VUC-12 ARE USED AS PRIMARY COOLING FOR THE ROOM. AIR FLOW VALUES IN PARENTHESES INDICATE AIR FLOW WHEN 2VUC-27A & 2VUC-27B ARE THE PRIMARY MEANS TO COOL THE ROOM. DAMPERS 2VHD-189, 2VHD-184, AND 2VHD-118 MUST BE SET ACCORDINGLY AND THEIR MARKERS FOR BOTH MODES OF OPERATION SHOWN THAT THE PROPER SETTINGS ARE EASILY IDENTIFIED. DAMPER 2VHD-74, 2VHD-75, AND 2VHD-76 ARE APPROXIMATE AIR FLOW VALUES.
  15. INVERTED TRAPS INSTALLED IN HORIZONTAL RUN ON AUXILIARY BUILDING ROOF WITH 12" MINIMUM HEIGHT ABOVE BASE OF 2VUC-12.
  16. DUCT SPARED IN PLACE BY DCP 94-2886.
  17. FOR REUSE IN THE FUTURE.
  18. FLOW IN PARENTHESES IS ALTERNATE MODE OF OPERATION WHEN 2VUC-43 IS OUT OF SERVICE FOR EXTENDED PERIODS OF TIME.

**LEGEND**

—	CONTROL ROOM VENTILATION/82-R-2886-18
—	SYSTEM/AMB REPORT
—	LICENSE RENEWAL BOUNDARY

**ARKANSAS NUCLEAR ONE**  
**UNIT 2**  
 RUSSELLVILLE, ARKANSAS

**PIPING & INSTRUMENT DIAGRAM**  
**UNITS 1 & 2**  
**CONTROL & COMPUTER ROOMS HVAC**

DRAWING NO	SHEET	REVISION
LRA-M-2263	1	Ø

ENTEGRY

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