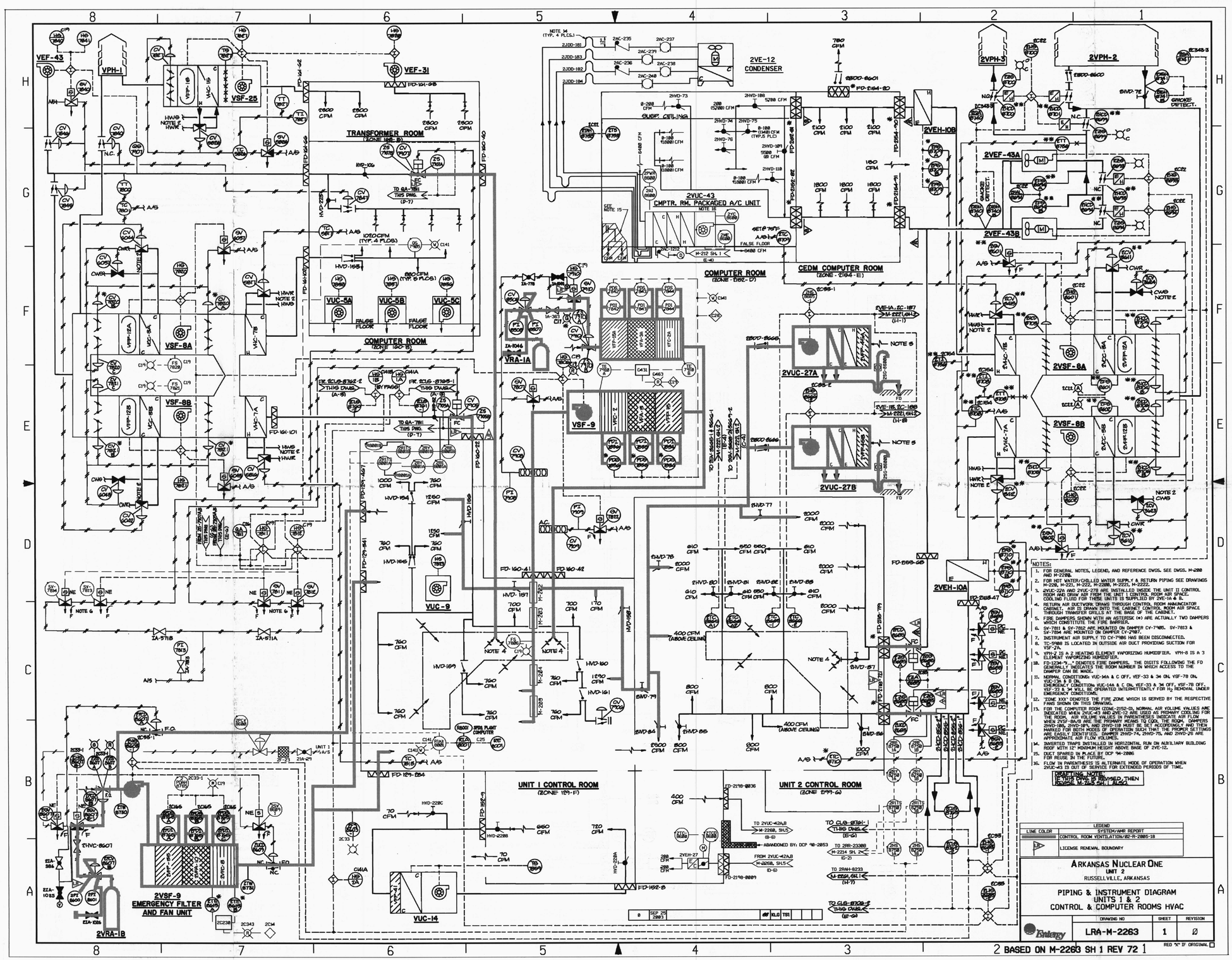

NOTES:

1. FOR GENERAL NOTES, LEGEND, AND REFERENCE DWGS. SEE DWGS. M-200 AND M-2200.
2. FOR HOT WATER/CHILLED WATER SUPPLY & RETURN PIPING SEE DRAWINGS M-220, M-221, M-222, M-2200, M-2221, M-2222.
3. 2VUC-27A AND 2VUC-27B ARE INSTALLED INSIDE THE UNIT II CONTROL ROOM AND DRAW AIR FROM THE UNIT 1 CONTROL ROOM AIR SPACE. COOLING FLUID FOR THESE UNITS IS SUPPLIED BY 2VE-1A & B.
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 MOUNTED ON DAMPER CV-7905. SV-7813 & SV-7814 ARE MOUNTED ON DAMPER CV-7907.
7. INSTRUMENT AIR SUPPLY TO CV-7906 HAS BEEN DISCONNECTED.
8. TC-5908 IS LOCATED IN OUTSIDE AIR DUCT PROVIDING SUCTION FOR VSF-7A.
9. VPH-7 IS A 2 HEATING ELEMENT VAPORIZING HUMIDIFIER. VPH-8 IS A 3 ELEMENT VAPORIZING HUMIDIFIER.
10. FD-1234-"X..." 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, VUC-13A & B ON.
EMERGENCY CONDITION: VUC-14A & C ON, VEF-33 & 34 OFF, VSF-78 OFF, VEF-33 & 34 WILL BE OPERATED INTERMITTENTLY FOR H_2 REMOVAL UNDER EMERGENCY CONDITIONS.
12. "ZONE XXX" DENOTES THE FIRE ZONE WHICH IS SERVED BY THE RESPECTIVE FANS SHOWN ON THIS DRAWING.
13. FOR THE COMPUTER ROOM (ZONE-2152-D), NORMAL AIR VOLUME VALUES ARE INDICATED WHEN 2VUC-43 AND 2VE-12 ARE USED AS PRIMARY COOLING FOR THE ROOM. AIR VOLUME VALUES IN PARENTHESES INDICATE AIR FLOW WHEN 2VSF-8A/B ARE THE PRIMARY MEANS TO COOL THE ROOM. DAMPERS 2HVD-108, 2HVD-109, AND 2HVD-110 MUST BE SET ACCORDINGLY AND THEN MARKED FOR BOTH MODES OF OPERATION SUCH THAT THE PROPER SETTINGS ARE EASILY IDENTIFIED. DAMPER 2HVD-74, 2HVD-75, AND 2HVD-76 ARE APPROXIMATE AIR FLOW VOLUMES.
14. INVERTED TRAPS INSTALLED IN HORIZONTAL RUN ON AUXILIARY BUILDING ROOF WITH 12" MINIMUM HEIGHT ABOVE BASE OF 2VE-12.
15. DUCT SPARED IN PLACE BY DCP 94-2006 FOR REUSE IN THE FUTURE.
16. FLOW IN PARENTHESIS IS ALTERNATE MODE OF OPERATION WHEN 2VUC-43 IS OUT OF SERVICE FOR EXTENDED PERIODS OF TIME.

DRAFTING NOTE:
IF THIS DWG IS REVISED, THEN REVISE M-263 SH. 1 ALSO.

LEGEND	
LINE COLOR	SYSTEM/AMR REPORT
	CONTROL ROOM VENTILATION/02-R-2005-18
LR	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

Entergy

RED "X" IF ORIGINAL

BASED ON M-2263 SH 1 REV 72

D-62