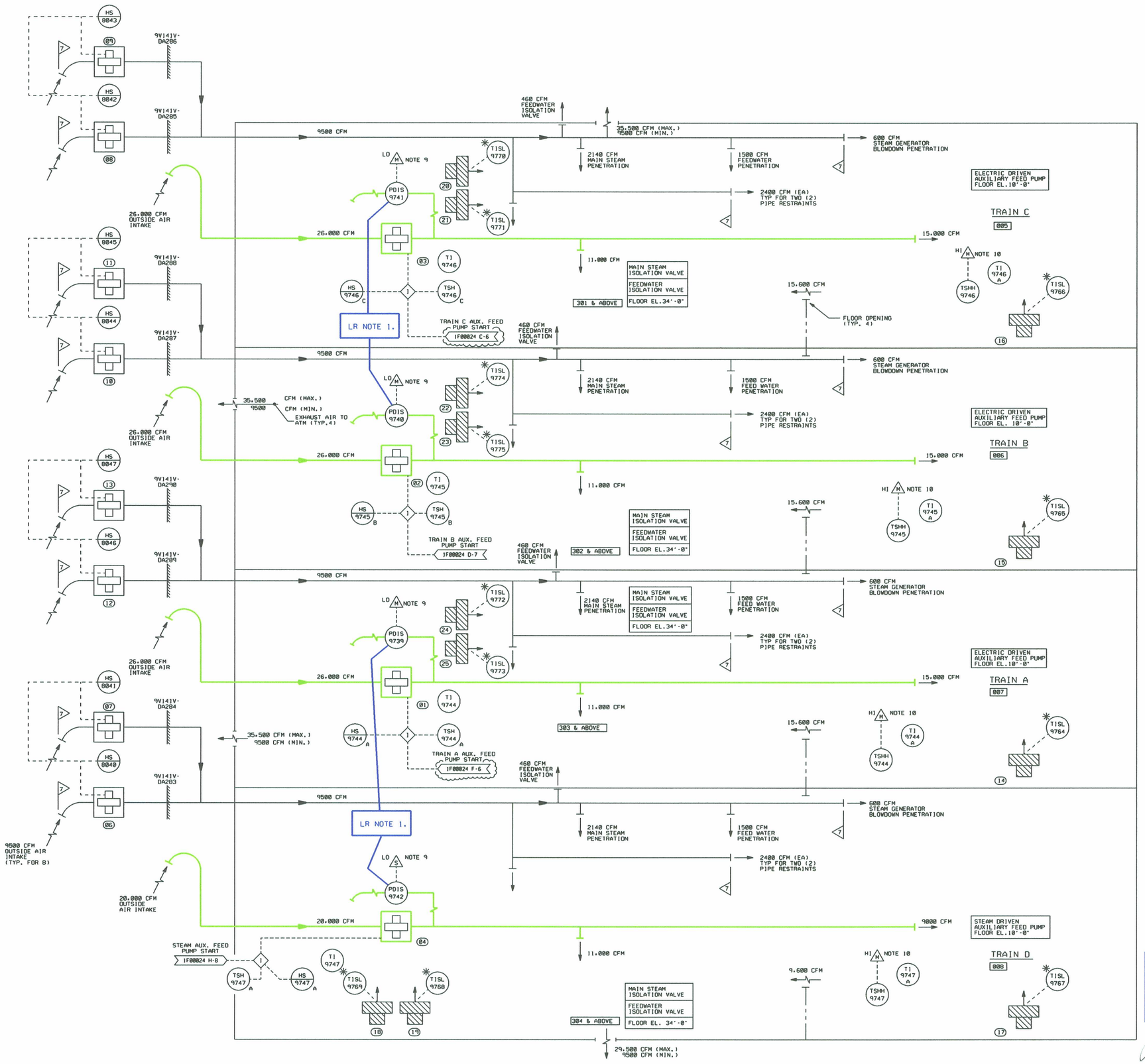

EQUIPMENT NUMBERING INDEX

KEY NO.	EQUIPMENT NO.	DESCRIPTION
01	3V141VFN001	IVC AFW PUMP 11 SPLY FAN (11A)
02	3V141VFN002	IVC AFW PUMP 12 SPLY FAN (11B)
03	3V141VFN003	IVC AFW PUMP 13 SPLY FAN (11C)
04	3V141VFN004	IVC AFW PUMP 14 SPLY FAN (11D)
06	9V141VFN040	IVC TRN D PENETRATION SPLY FAN (11D)
07	9V141VFN041	IVC TRN D PENETRATION SPLY FAN (12D)
08	9V141VFN042	IVC TRN C PENETRATION SPLY FAN (11C)
09	9V141VFN043	IVC TRN C PENETRATION SPLY FAN (12C)
10	9V141VFN044	IVC TRN B PENETRATION SPLY FAN (11B)
11	9V141VFN045	IVC TRN B PENETRATION SPLY FAN (12B)
12	9V141VFN046	IVC TRN A PENETRATION SPLY FAN (11A)
13	9V141VFN047	IVC TRN A PENETRATION SPLY FAN (12A)
14	9V351VHT170	UNIT HEATER
15	9V351VHT171	UNIT HEATER
16	9V351VHT172	UNIT HEATER
17	9V351VHT173	UNIT HEATER
18	9V351VHT174	UNIT HEATER
19	9V351VHT175	UNIT HEATER
20	9V351VHT176	UNIT HEATER
21	9V351VHT177	UNIT HEATER
22	9V351VHT178	UNIT HEATER
23	9V351VHT179	UNIT HEATER
24	9V351VHT180	UNIT HEATER
25	9V351VHT181	UNIT HEATER

NOTES:

1. ALL SYSTEMS SHOWN ARE SAFETY CLASS 3, EXCEPT THOSE NOTED WHICH ARE NNS. ALL NNS DUCTWORK AND HVAC EQUIPMENT SUPPORTS ARE DESIGNED TO MEET QUALITY CLASS 7 REQUIREMENTS.
2. ALL DAMPER NUMBERS SHOWN HAVE THE PREFIX 3V141V EXCEPT AS NOTED.
3. DELETED
4. ALL AIR INTAKE LOUVERS ARE WEATHERPROOF AND PROVIDED WITH "BIRDSCREEN.
5. ALL INSTRUMENTS ON THIS P&ID HAVE SYSTEM DESIGNATOR "HC".
6. T.C. WITH VALVES ARE SUPPLIED BY HVAC SUBCONTRACTOR.
7. ALL INSTRUMENTS ON THIS P&ID HAVE SEPARATION GROUP "N" UNLESS INDICATED OTHERWISE FIVE O'CLOCK POSITION.
8. ALL AIR FLOW CFM SHOWN ARE AT STANDARD CONDITIONS.
9. FAN TROUBLE ALARMS TO BE TIED TO A COMMON WINDOW IN THE MAIN PANEL ZCP-022 ANNUNCIATOR SYSTEM.
10. TEMPERATURE HIGH-HIGH ALARMS TO BE TIED TO A COMMON WINDOW IN THE MAIN PANEL ZCP-022 ANNUNCIATOR SYSTEM.
11. TRAIN A - ELECT. FEED PUMP 11 - A CUBICLE
    TRAIN B - ELECT. FEED PUMP 12 - B CUBICLE
    TRAIN C - ELECT. FEED PUMP 13 - C CUBICLE
    TRAIN D - STEAM FEED PUMP 14 - D CUBICLE
12. FOR ACTUAL AIR FLOW QUANTITIES, SEE THE AS BUILT CONDITION SHOWN ON THE FINAL AIR BALANCING REPORT C0351(01)00016-3H FOR UNIT 1.

REFERENCE:

0F00001 P&ID STANDARD ABBREVIATIONS & SYMBOLS
0F00002 P&ID STANDARD ABBREVIATIONS & SYMBOLS
5V149V0132, - HVAC PHYSICAL
133.141.142 - HVAC PHYSICAL
8V149V0492 - HVAC PHYSICAL

LR NOTE 1
THE PRESSURE INDICATORS DO NOT FORM A DIRECT PRESSURE BOUNDARY FOR THE DUCTING AND ARE QA NONSAFETY.

D153

BOUNDARY DRAWING NO.	REV.
LR-STP-HC-5V149V25008*1	0A

NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE	NO.	ISSUE DATE	REVISION	ORIG	CKR	RE	DV	SE
17	4-8-96	INCORP. DCN 9600865.	SIGNATURES ON FILE												
16	1-10-96	INCORP. DCN 9504579	SIGNATURES ON FILE												
15	5-25-94	INCORP. PCF 940156	SIGNATURES ON FILE												
14	7-1-93	INCORP. MDCN 90021-47	SIGNATURES ON FILE												
13	11-23-92	H&P ASSUMES DESIGN CHANGE CONTROL AND INCORP. ECN 89-J-0110-C0	SIGNATURES ON FILE					19		REVISED PER CR 06-8934.	JGL				
0-12	6-16-83	ISSUED FOR CONSTRUCTION	SIGNATURES ON FILE					18	3-4-97	INCORP. DCN 9700405	JSH	ON FILE			

ESEED_DGN

SOUTH TEXAS PROJECT
NUCLEAR OPERATING COMPANY

PIPING & INSTRUMENTATION DIAGRAM - HVAC
MAIN STEAM ISOLATION VALVE CUBICLE
VENTILATION SYSTEM

PRIORITY	CADD FILE NO.	FSUG. NO.	STI. ND.	SCALE	DWG. NO.	REV.
1	FJA229.191	D070928		NONE	5V149V25008 *1	19