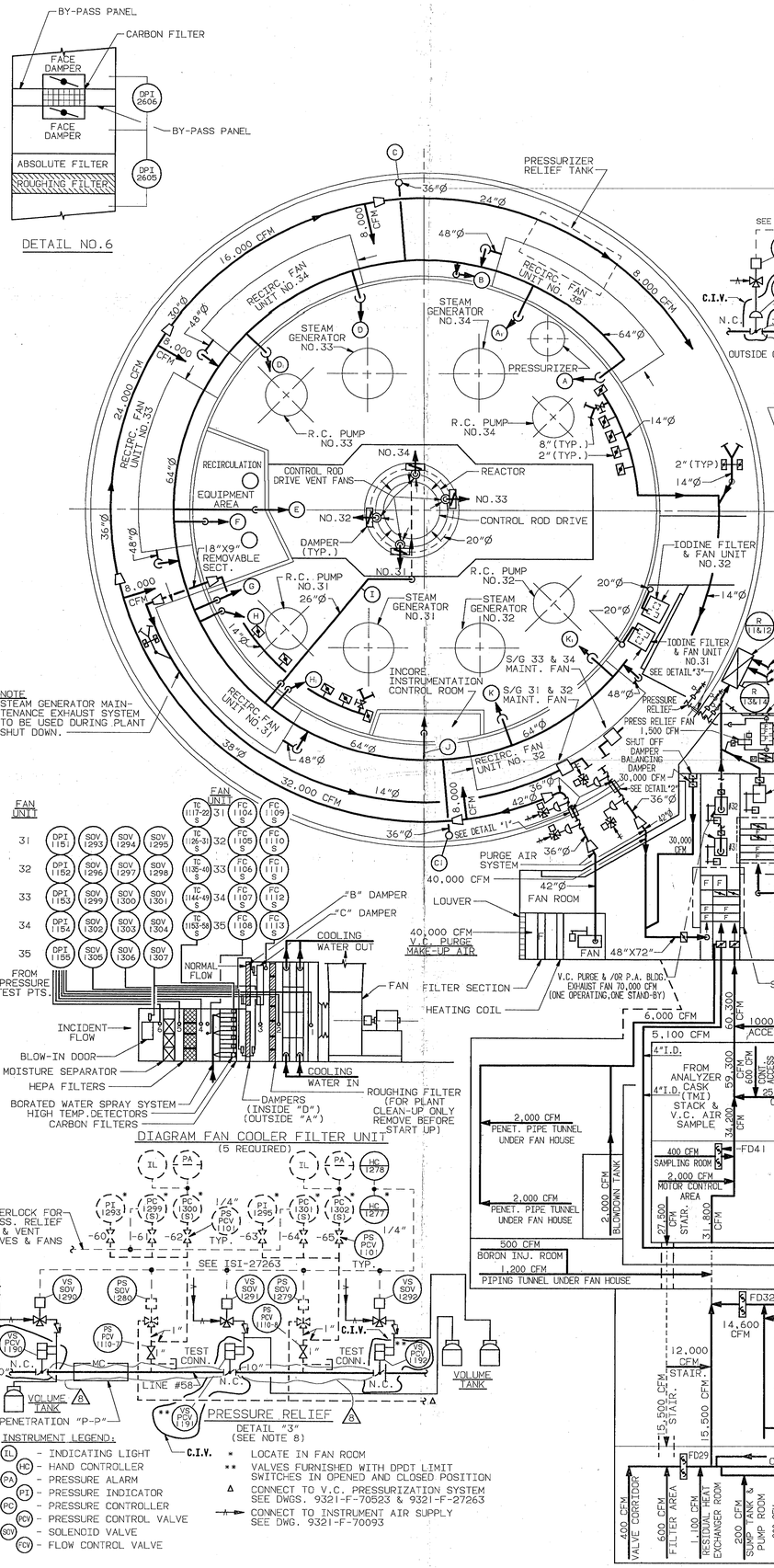

AIR DISTRIBUTION SCHEDULE:

- (A)+(A1) = 58,675 CFM TO R.C.PUMP, STM. GEN. & PRESSURIZER AREA
- (B) = 2,000 CFM TO PRESS. RELIEF TANK AREA
- (C)+(C1) = 60,000 CFM TO DOME AREA
- (D)+(D1) = 51,275 CFM TO R.C. PUMP & STM. GEN. AREA
- (E) = 17,500 CFM ACROSS REFUELING POOL AREA
- (F) = 10,000 CFM TO RECIRCULATION EQUIPMENT AREA
- (G) = 5,000 CFM TO PASSAGE AREA
- (H)+(H1) = 51,275 CFM TO R.C. PUMP & STM. GEN. AREA
- (I) = 12,000 CFM TO AREA UNDER REACTOR
- (J) = 5,000 CFM TO INCORE INSTRUMENTATION CONTROL ROOM
- (K)+(K1) = 52,475 CFM TO R.C. PUMPS & STM. GEN. AREA

FAN COOLER FILTER UNIT DAMPER & GAGE SCHEDULE

FAN COOLER UNIT	DAMPER "A"&"B" (NORMAL INLET)	DAMPER "C" (NORMAL & INCIDENT)	DAMPER "D" & BLOW-IN DOOR	DIFFERENTIAL PRESS. INDICATOR
	SOLENOID	SOLENOID	SOLENOID	
31	SOV-1293	SOV-1294	SOV-1295	DPI-1151
32	SOV-1296	SOV-1297	SOV-1298	DPI-1152
33	SOV-1299	SOV-1300	SOV-1301	DPI-1153
34	SOV-1302	SOV-1303	SOV-1304	DPI-1154
35	SOV-1305	SOV-1306	SOV-1307	DPI-1155

AIR FLOW THRU FAN COOLER FILTER UNITS
(TYPICAL FOR EACH UNIT)
DAMPERS A+B+C=70,000 CFM UNDER NORMAL CONDITIONS
DAMPER D = 8,000 CFM UNDER INCIDENT CONDITIONS
DAMPER C = 26,000 CFM UNDER INCIDENT CONDITIONS
BLOW-IN DOOR = 8,000 CFM UNDER INCIDENT CONDITIONS

ISI LEGEND

- -1- -1- - ISI CLASS I
- -2- -2- - ISI CLASS II
- -3- -3- - ISI CLASS III

C.I.V. - CONTAINMENT ISOLATION VALVE

SPECIFICATION:

9321-05-45-24 PLANT HEATING, VENTILATING & AIR CONDITIONING SYSTEMS. (REFERENCE ONLY)

LEGEND

- AIR FLOW DURING ACCIDENT
- NORMAL AIR FLOW
- ROUGHING FILTER
- HEPA FILTER
- CARBON FILTER
- AIRFOIL BLADE DAMPERS
- DAMPERS
- LIMIT SWITCH
- FD__ -FIRE DAMPERS
- (M) AIR OPERATED MOTOR
- (A) HIGH RADIATION ALARM
- N.O. NORMALLY OPEN
- N.C. NORMALLY CLOSED
- ELECT. SUPPLY
- ELECT. SIGNAL
- S.V. SOLENOID VALVE
- (FC) FLOW SWITCH
- (FM) FAN MOTOR
- SW SWITCH FOR MANUALLY PLACING SYSTEM IN EMERGENCY MODE OF OPERATION.
- (R.I) RADIATION INDICATOR
- PNEUMATIC SIGNAL
- INST. AIR SUPPLY

NOTES

1. 3" FROM POST ACCIDENT CONTAINMENT VENTING SYSTEM
2. 2" #131, FROM GAS DECAY TANKS
3. ALL VALVE NO'S ARE PRECEDED BY "VS" AS THE SYSTEM DESIGNATION EXCEPT AS NOTED.
4. ALL CONTAINMENT PENETRATIONS ARE ISI CLASS MC.
5. ISI BOUNDARY ENDS AT FIRST WELD INSIDE OR OUTSIDE CONTAINMENT BUILDING UNLESS OTHERWISE NOTED.
6. ALL HVAC SYSTEMS ARE SEISMIC CLASS I EXCEPT PAB SUPPLY HEATING COILS, WASTE HOLD-UP AIR TEMPERING UNIT, FSB STEAM SUPPLY AND CONDENSATE.
7. CONTAINMENT ISOLATION VALVES FCV-1170 & FCV-1171 (PURGE SUPPLY) AND FCV-1172 & FCV-1173 (PURGE EXHAUST) ARE CLOSED DURING NORMAL OPERATIONS.
8. CONTAINMENT ISOLATION VALVES PCV-1190 & PCV-1191 & PCV-1192 (PRESSURE RELIEF) ARE CLOSED DURING NORMAL OPERATIONS. THESE VALES MAY BE OPENED INTERMITTENLY DURING NORMAL OPERATIONS FOR PRESSURE RELIEF.

REV NO	DATE	DESCRIPTION	DWN/CHK	DS	DE/DD	PROJ MGR
8	1/12/00	PENETRATION PIPING CHANGED BACK TO ORIGINAL CLASSIFICATION	PLB/JM	JM	AYE	PH
7	6/5/99	UPDATED TO 9321-F-40223, REV.30	NV/NV	JM	AYE	REG
6	1/18/98	UPDATED TO 9321-F-40223, REV.28 & 29	VR/NV	JM	AYE	REG
5	1/30/96	UPDATED TO 9321-F-40223, REV.26 & 27	TS/NV	JM	AYE	REG
4	9/15/97	UPDATED PER 1992 EDITION OF ASME SECT XI SUBSECTIONS IWE/IWL	VB/NV	JM	AYE	REG

REVISIONS

UNCONTROLLED DRAWING
Copy Date JAN 13 2000
CAUTION – Extended use of this drawing copy may result in its inaccuracy due to subsequent design changes and drawing updates.

ISI DRAWING
THIS DRAWING WAS CREATED FROM 9321-F-40223

DWN/CHK'D	
DES SUPV	INDIAN POINT NO.3 NUCLEAR POWER PLANT
DISCIPLINE ENG	
DISCIPLINE DIR	FLOW DIAGRAM VENTILATION SYSTEM FOR CONTAINMENT, PRIMARY AUXILIARY AND FUEL STORAGE BUILDINGS
PROJ APPROVAL	
DATE	

NewYorkPower Authority

SCALE: NONE	
DWG NO ISI-40223	REV 8
SHEET	

THIS IS A COMPUTER AIDED DESIGN DRAWING. A RECORD OF THE REVISIONS OF THIS DOCUMENT WITH APPROVAL INITIALS/SIGNATURES, IS MAINTAINED IN THE FILES OF THE NEW YORK POWER AUTHORITY.

Docket # 50-286
Accession # 8002280247
Date 1/15/2000 of Ltr
Regulatory Docket File

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