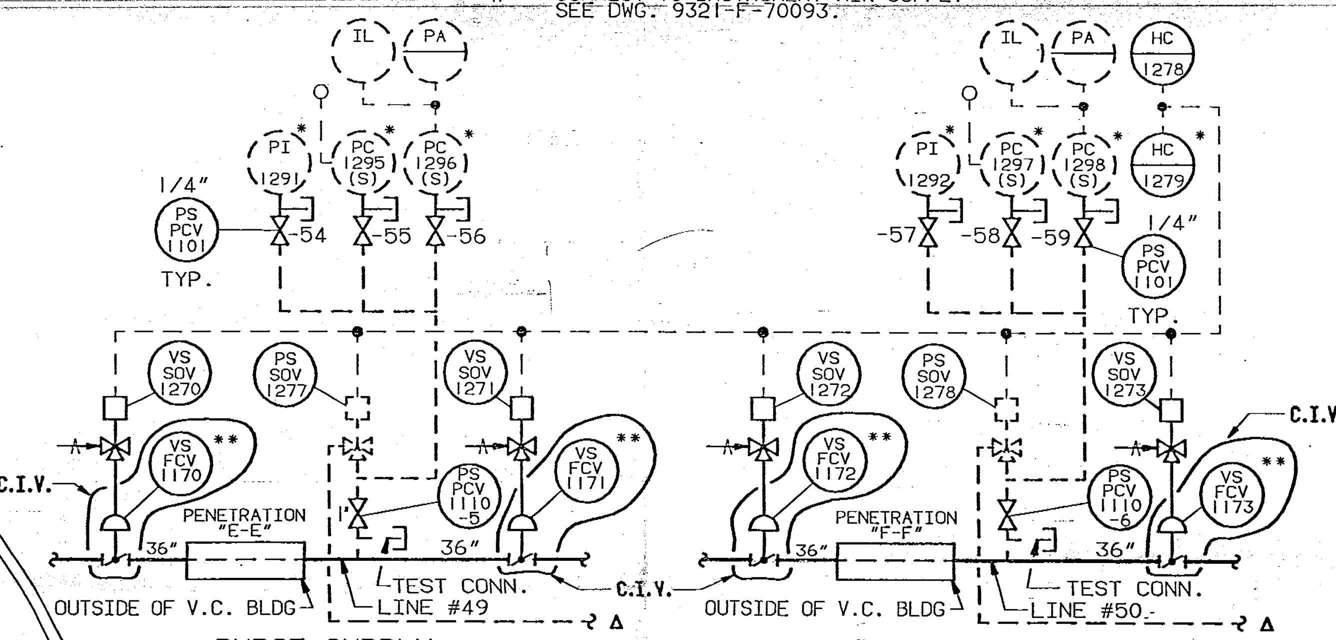
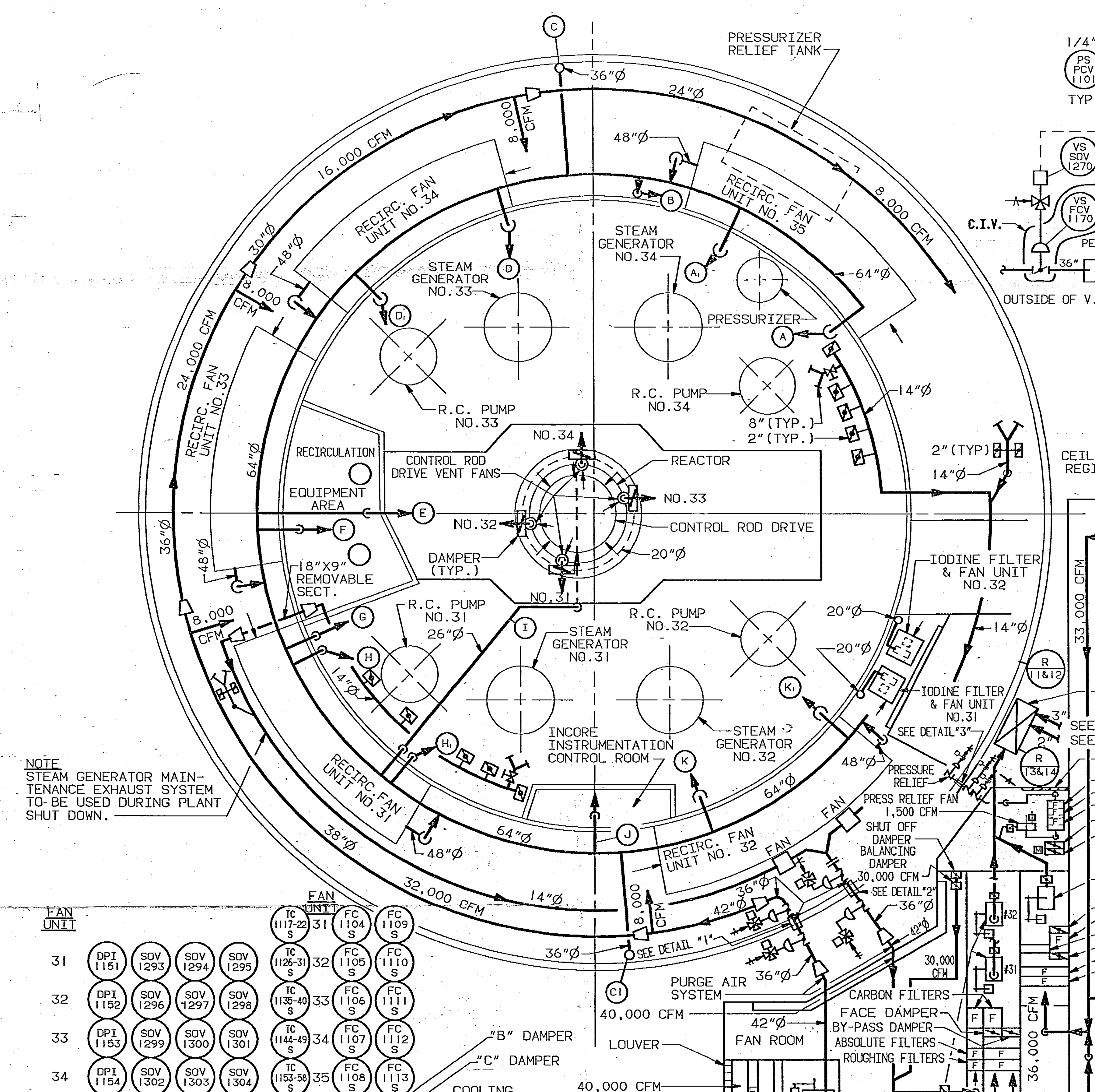
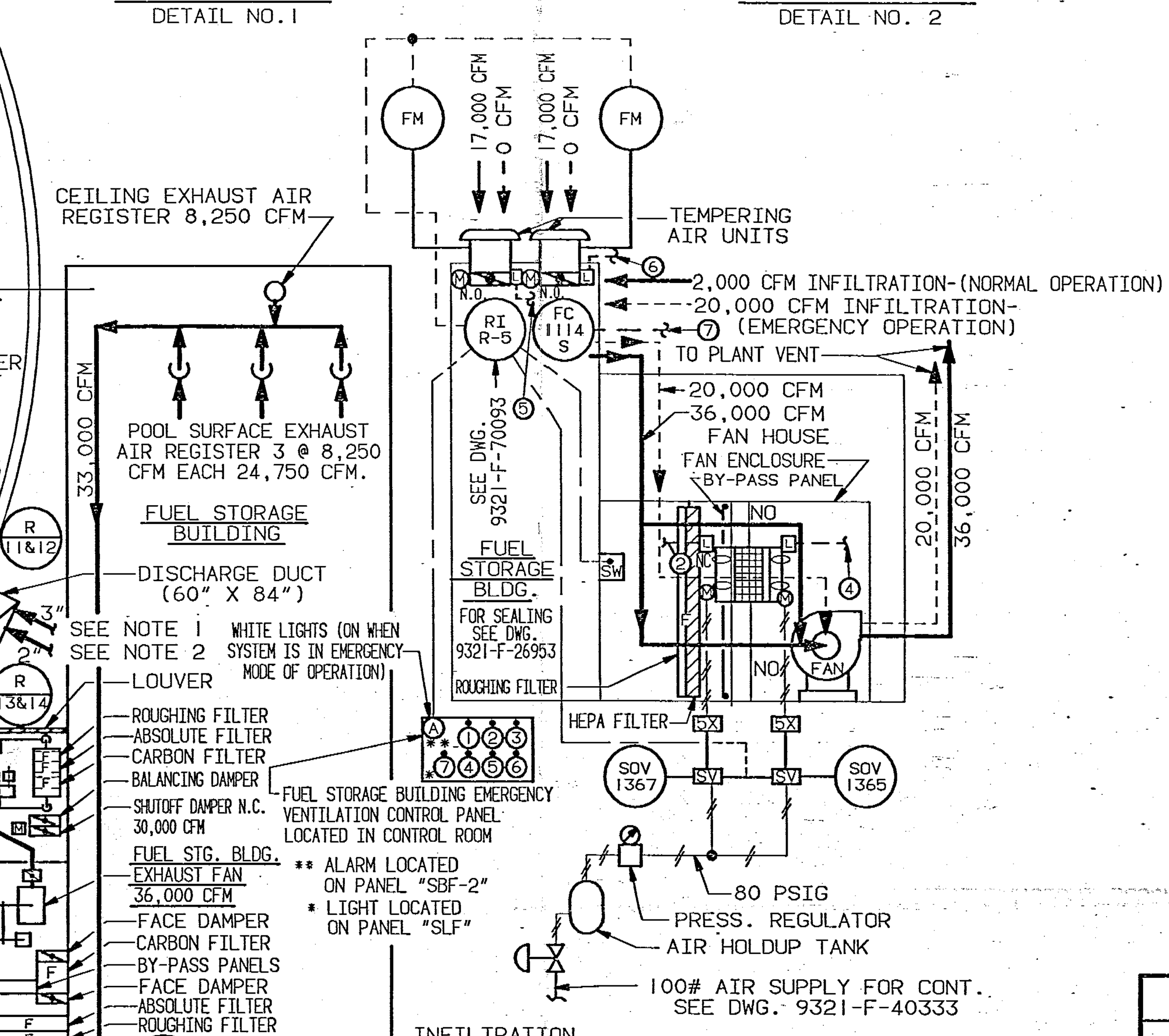
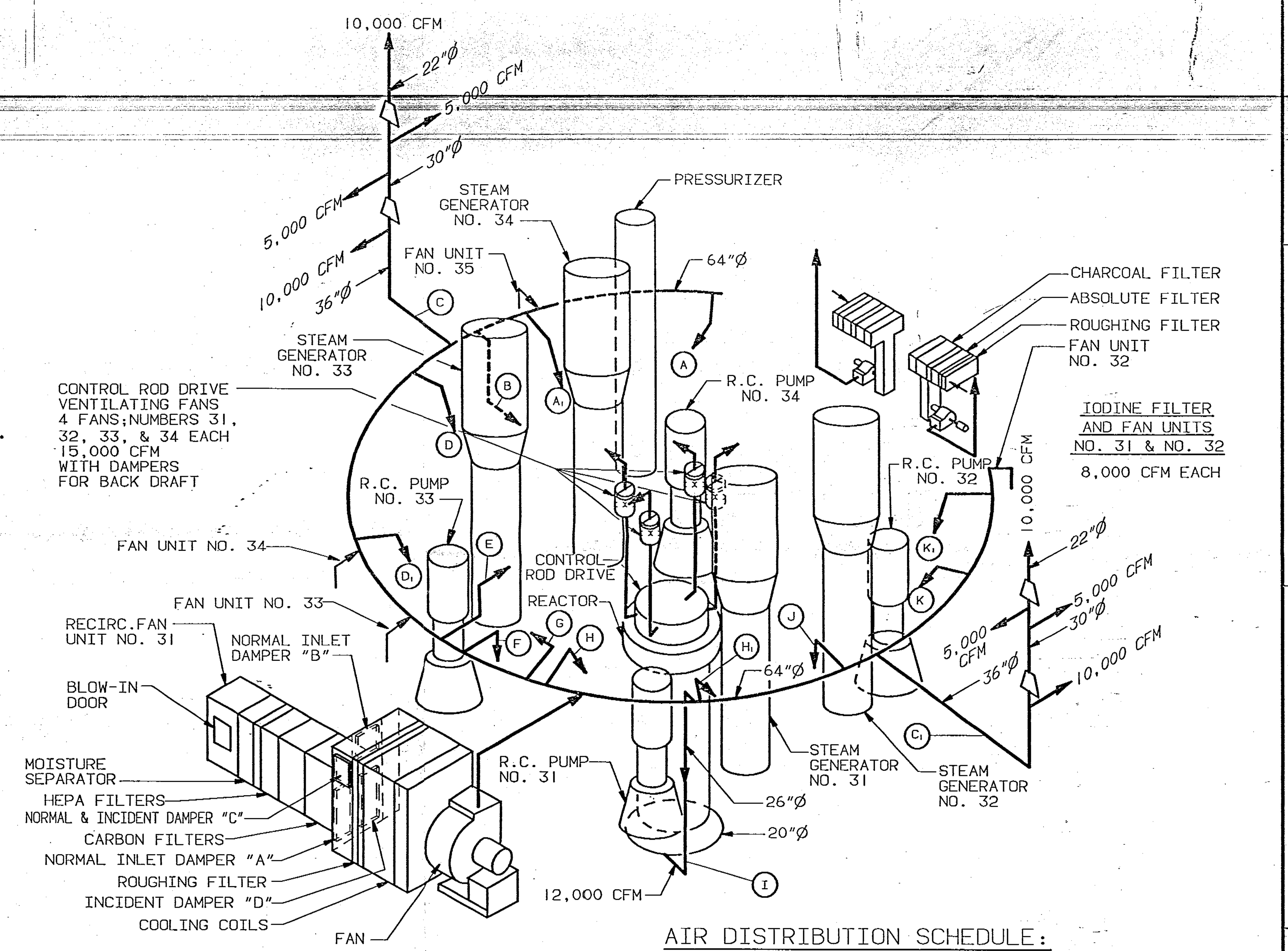
* LOCATE IN FAN ROOM
** VALVES FURNISHED WITH DPDT LIMIT SWITCHES IN OPENED AND CLOSED POSITIONS
Δ CONNECT TO V.C. PRESSURIZATION SYSTEM. SEE DWG. 9321-F-70523.
O INTERLOCK FOR PURGE VENT VALVES & FANS
—A→ CONNECT TO INSTRUMENT AIR SUPPLY SEE DWG. 9321-F-70093.







AIR FLOW DIAGRAM
FUEL STORAGE BUILDING
EMERGENCY EXHAUST SYSTEM



FAN-COOLER-FILTER UNIT (TYPICAL)

DIAGRAM OF CONTAINMENT AIR RECIRCULATION SYSTEM
PURGE SYSTEM NOT SHOWN

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) 52,275 CFM TO R.C. PUMPS & STM. GEN. AREA

FAN COOLER FILTER UNIT DAMPER & GAGE SCHEDULE

FAN COOLER UNIT	DAMPER "A"&"B" (NORMAL INLET) SOLENOID	DAMPER "C" (NORMAL & INCIDENT) SOLENOID	DAMPER "D" & BLOW-IN DOOR SOLENOID	DIFFERENTIAL PRESS. INDICATOR
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

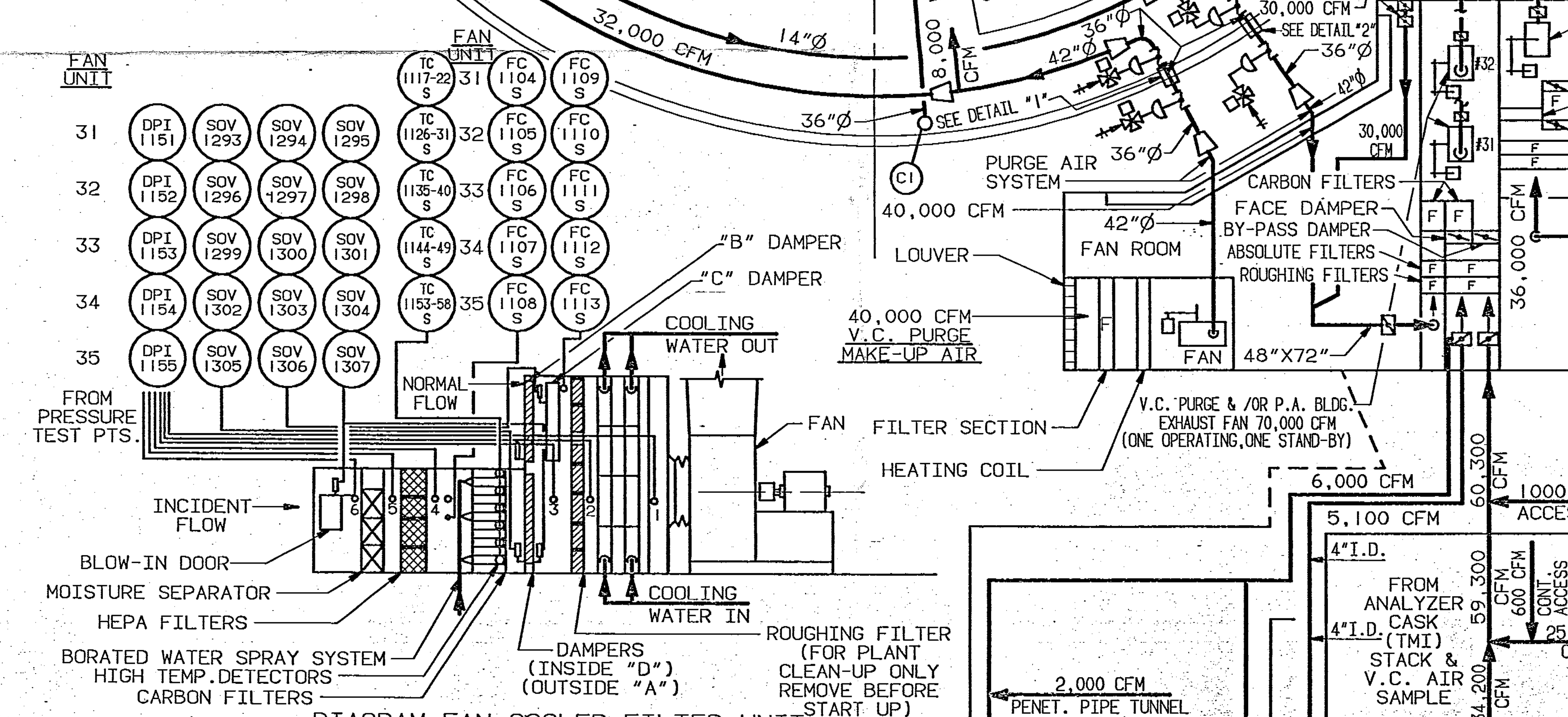
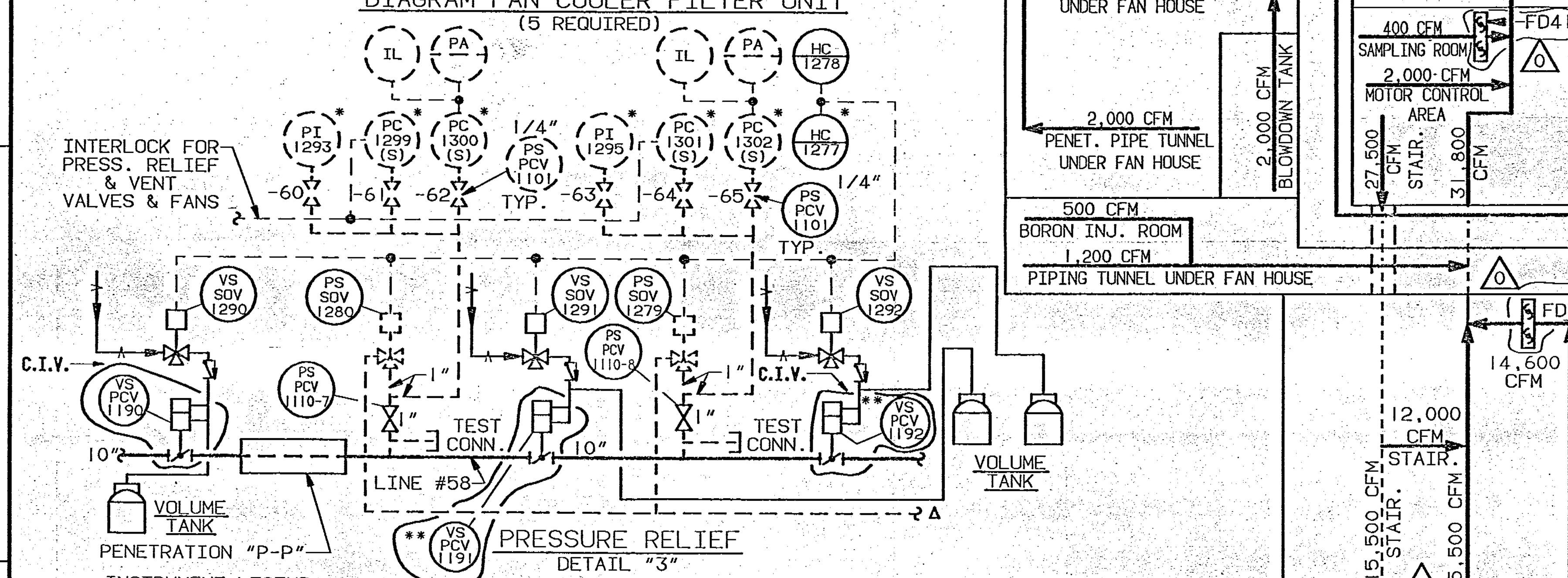


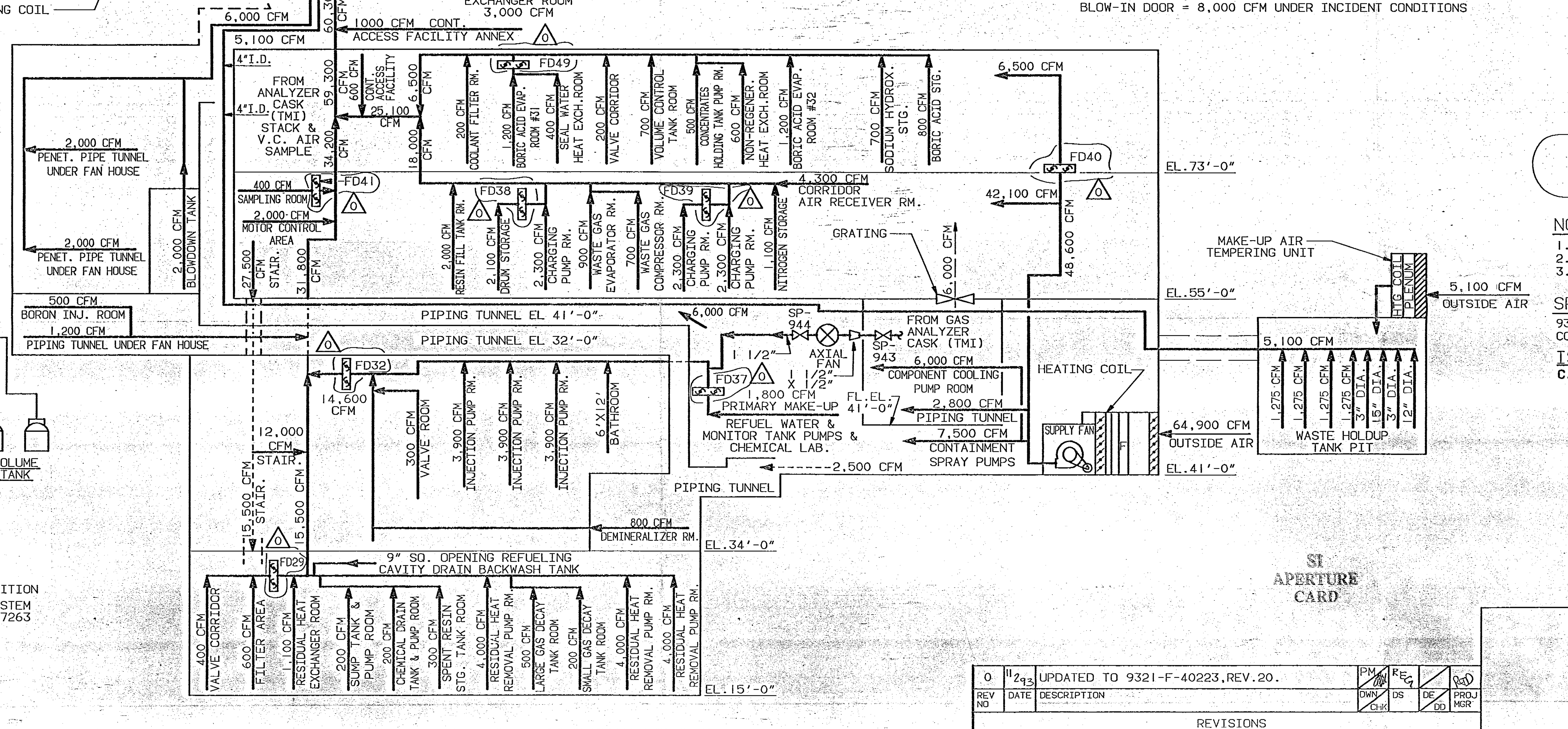
DIAGRAM FAN COOLER FILTER UNIT
(5 REQUIRED)



PRESSURE RELIEF
DETAIL "3"

INSTRUMENT LEGEND:
- (IL) - INDICATING LIGHT
- (HC) - HAND CONTROLLER
- (PA) - PRESSURE ALARM
- (PI) - PRESSURE INDICATOR
- (PC) - PRESSURE CONTROLLER
- (PCV) - PRESSURE CONTROL VALVE
- (SOV) - SOLENOID VALVE
- (FCV) - FLOW CONTROL VALVE

* LOCATE IN FAN ROOM
** VALVES FURNISHED WITH DPDT LIMIT SWITCHES IN OPENED AND CLOSED POSITION
Δ CONNECT TO V.C. PRESSURIZATION SYSTEM SEE DWGS. 9321-F-70523 & 9321-F-27263
—A→ CONNECT TO INSTRUMENT AIR SUPPLY SEE DWG. 9321-F-70093



LEGEND

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

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.

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

ISI LEGEND
C.I.V. - CONTAINMENT ISOLATION VALVE

INFORMATION ONLY

SI APERTURE CARD

REV NO	DATE	DESCRIPTION	PM	REG		
0	11/2/93	UPDATED TO 9321-F-40223, REV.20.	DWN/CHK	DS	DE/DD	PROJ MGR

REVISIONS

DWN/CHK'D
DES SUPV
DISCIPLINE ENG
DISCIPLINE DIR
PROJ APPROVAL
DATE

INDIAN POINT NO.3 NUCLEAR POWER PLANT

FLOW DIAGRAM
VENTILATION SYSTEM FOR CONTAINMENT, PRIMARY AUXILIARY AND FUEL STORAGE BUILDINGS

New York Power Authority

SCALE: NONE
DWG NO ISI-40223
REV 0
SHEET

Docket # 50-286
Accession # 9311170210
Date 11/9/93 of Ltr
Regulatory Docket File

COMMENT= SUBGRP=WRK SCALE= 1.0000 DRAWID=ISI-40223 1 LAST FILE=93305 15:36
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