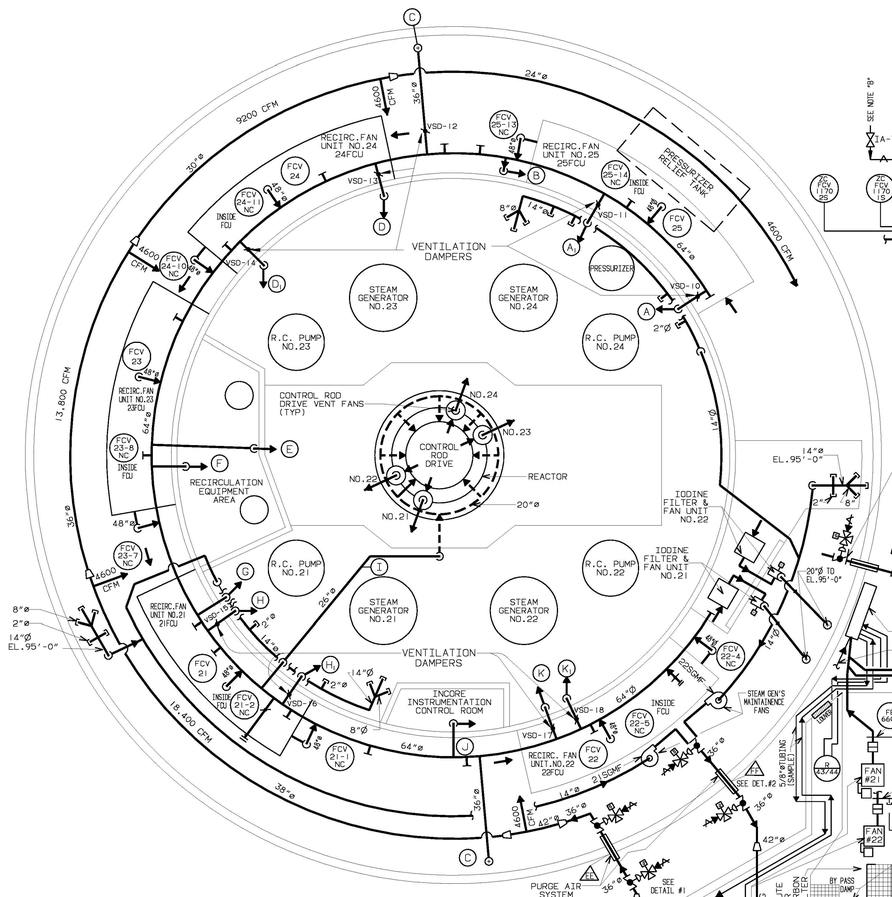
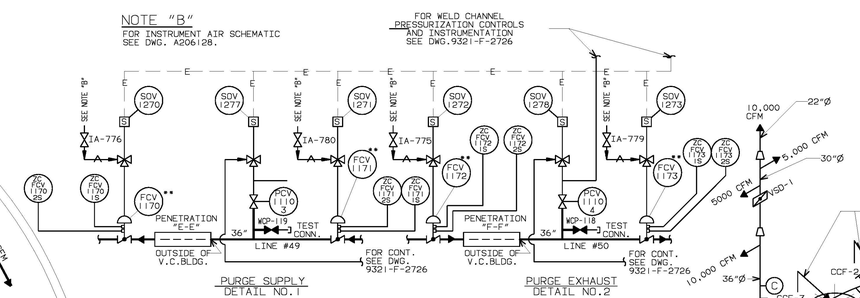
9321-F-4022

MECH.

REV	DESCRIPTION	DATE	BY	CHK'D	APP.
63	INCORPORATED EC-27186	3/26/12	RM		

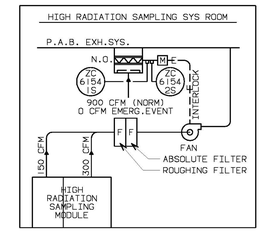
REVISIONS



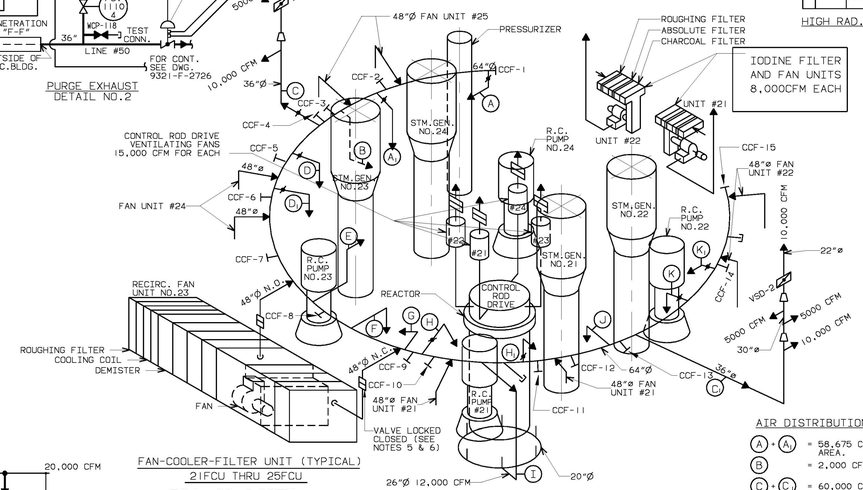


PURGE SUPPLY DETAIL NO.1

PURGE EXHAUST DETAIL NO.2

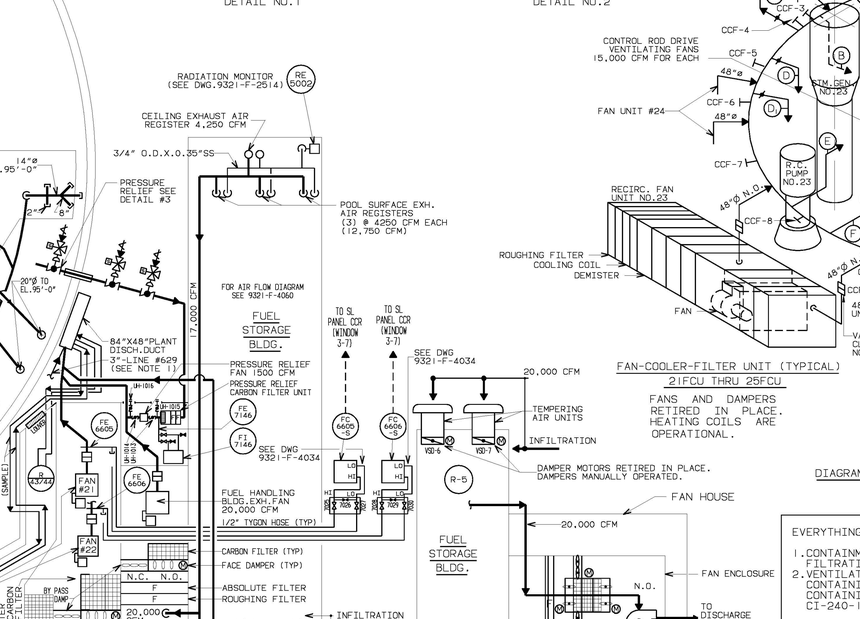


HIGH RAD. SAMPLING MODULE EXH.SYS. EMERGENCY EVENT



FAN-COOLER-FILTER UNIT (TYPICAL) 21FCU THRU 25FCU

FANS AND DAMPERS RETIRED IN PLACE. HEATING COILS ARE OPERATIONAL.



AIR FLOW DIAGRAM, FUEL STORAGE BUILDING

EXHAUST SYSTEM, ALSO SHOWN ON DWG 9321-F-4060

NOTE: DAMPER MOTORS RETIRED IN PLACE, BYPASS DAMPERS WELDED SHUT & HEATER COILS RETIRED IN PLACE FOR TEMPERING UNITS.

DIAGRAM OF CONTAINMENT AIR RECIRCULATION SYSTEM PURGE SYSTEM NOT SHOWN

EVERYTHING ON THIS DRAWING IS PART OF:

1. CONTAINMENT AIR RECIRCULATION COOLING AND FILTRATION SYSTEM-AND
2. VENTILATION/FILTRATION SYSTEM FOR AREAS CONTAINING SAFETY RELATED SYSTEMS AND SYSTEMS CONTAINING RADIOACTIVITY,LISTED IN EXHIBIT A, CI-240-1

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 RC.PUMP & STM.GEN.AREA.
- (E) = 17,500 CFM ACROSS REFUELING POOL AREA.
- (F) = 10,000 CFM RECIRCULATOIN 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 AREA UNDER REACTOR.
- (J) = 5,000 CFM TO INCORE INSTRUMENTATION CONTROL ROOM.
- (K)+(K1) = 52,275 CFM TO R.C.PUMPS & STM.GEN.AREA.

LEGEND

- N.O. — NORMALLY OPEN (FAIL CLOSED).
- N.C. — NORMALLY CLOSED (FAIL OPEN).
- LOUVER
- FILTER
- DAMPER
- BUTTERFLY VALVE-BUBBLE TIGHT
- (R) RADIATION
- (RC) RADIATION CONTROLLER
- RELIEF VALVE
- VSD VENTILATING SYSTEM DAMPER
- (FI) FLOW INDICATOR
- (M) MOTOR OPERATOR
- CARBON FILTER
- BACK DRAFT DAMPER
- AIR FOIL DAMPER
- •• VALVES FURNISHED WITH DPDT LIMIT SWITCHES IN OPENED AND CLOSED POSITION.

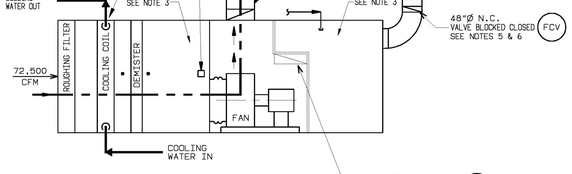
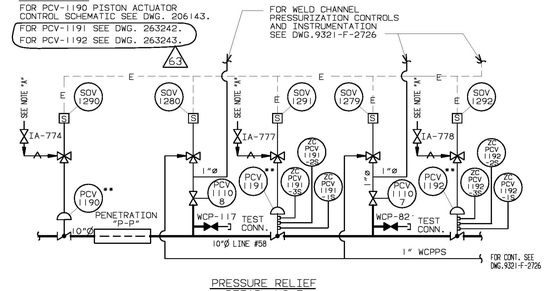


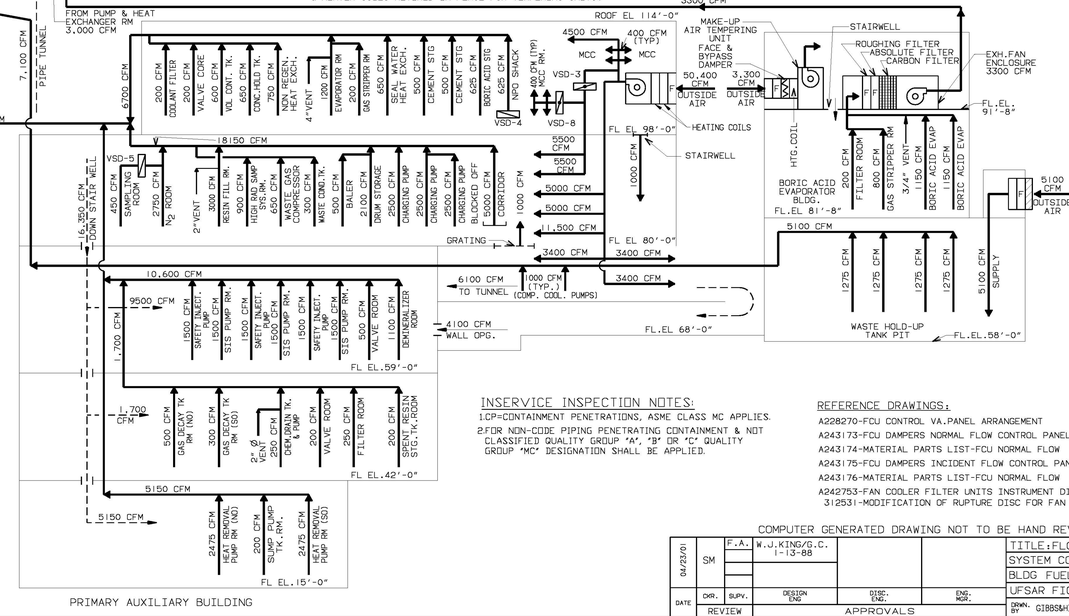
DIAGRAM FAN COOLER-FILTER UNIT

(5 REQUIRED 21FCU THRU 25FCU)

FOR INSTRUMENTATION DIAG.SEE DWG.A242753



PRESSURE RELIEF DETAIL NO.3



INSERVICE INSPECTION NOTES:

1. CP=CONTAINMENT PENETRATIONS, ASME CLASS MC APPLIES.
2. FOR NON-CODE PIPING PENETRATING CONTAINMENT & NOT CLASSIFIED QUALITY GROUP "A", "B" OR "C" QUALITY GROUP "MC" DESIGNATION SHALL BE APPLIED.

NOTES:

1. 3"-#629 FROM POST ACCIDENT CONTAINMENT VENTING SYSTEM. SEE DWG.B208879.
2. 2"-#131 FROM GAS DECAY TANKS. SEE DWG.9321-F-2730.
3. ABSOLUTE & CHARCOAL FILTERS REMOVED IN F.C.U.'S #21 THRU 25.
4. THE QUALITY GROUP A,B,C AND SEISMIC BOUNDARIES EXTEND TO THE FIRST SEISMIC SUPPORT/RESTRAINT BEYOND THE BOUNDARIES SHOWN.
5. NORMALLY CLOSED INCIDENT FLOW CONTROL VALVES IN F.C.U.'S 21-25 ARE LOCKED CLOSED AND RETIRED IN PLACE
6. ALL F.C.U.'S INCIDENT INLET/OUTLET F.C.V.'S AND ASSOCIATED PANELS ARE RETIRED IN PLACE.

REFERENCE DRAWINGS:

- A228270-FCU CONTROL VA.PANEL ARRANGEMENT
- A243173-FCU DAMPERS NORMAL FLOW CONTROL PANEL & LOOP DIAG
- A243174-MATERIAL PARTS LIST-FCU NORMAL FLOW
- A243175-FCU DAMPERS INCIDENT FLOW CONTROL PANEL & LOOP DIAG
- A243176-MATERIAL PARTS LIST-FCU NORMAL FLOW
- A242753-FAN COOLER FILTER UNITS INSTRUMENT DIAGRAM
- 312531-MODIFICATION OF RUPTURE DISC FOR FAN COOLER UNITS

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

04/23/01	SM	F.A. W.J.KING/G.C. 1-13-88			TITLE:FLOW DIAGRAM VENTILATION SYSTEM CONTAINMENT,PRIMARY AUX. BLDG FUEL STG BLDG	STATION INDIAN POINT
DATE	DKR.	SUPV.	DESIGN ENG	DISC. ENG.	ENG. MGR.	UFSAR FIG. No.'s 5.3-1
	REVIEW	APPROVALS			DRWN. BY GIBBS&HILL	SCALE NONE REC'D

Entergy Nuclear Northeast

DWG. NO. 9321-F-4022-63 MY