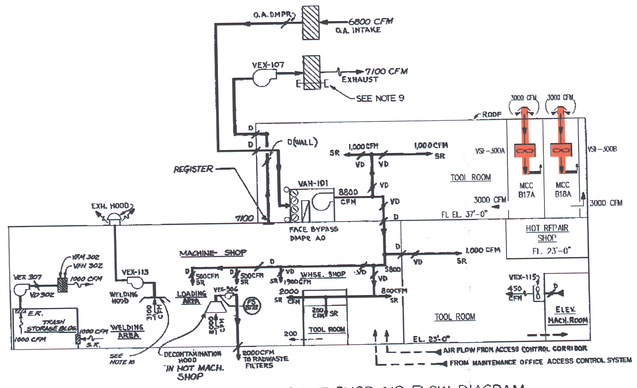
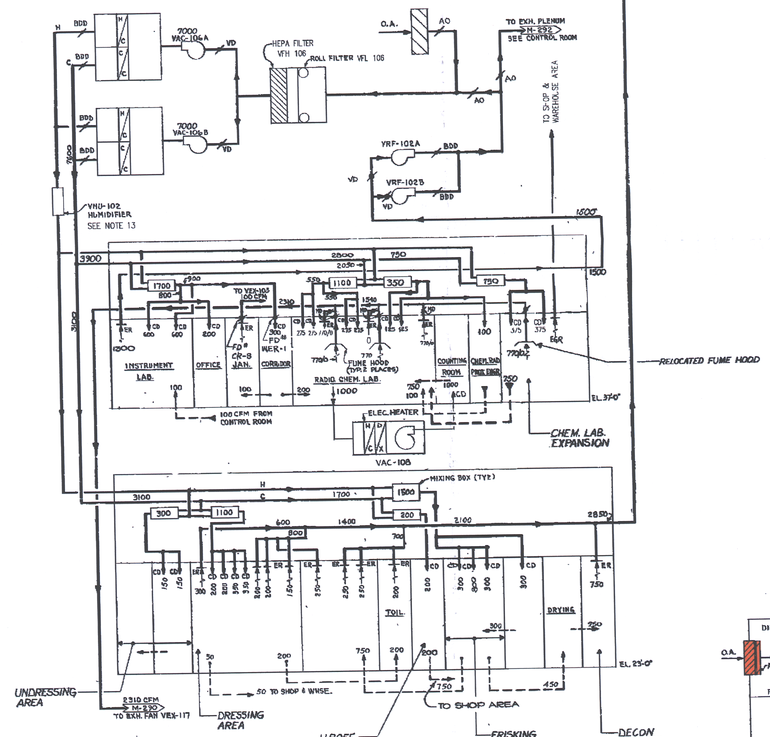
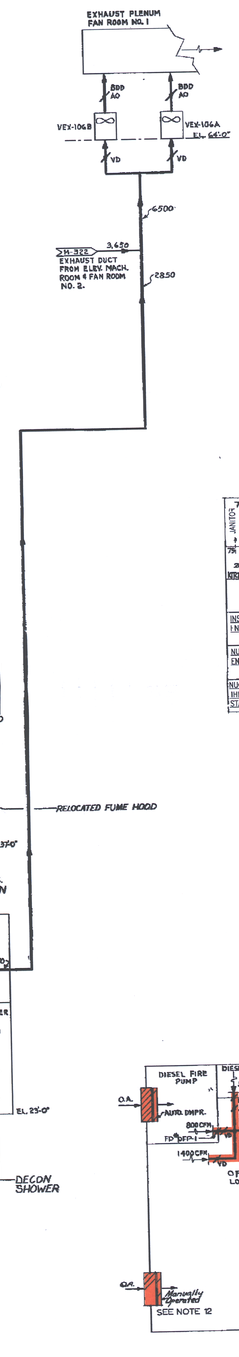
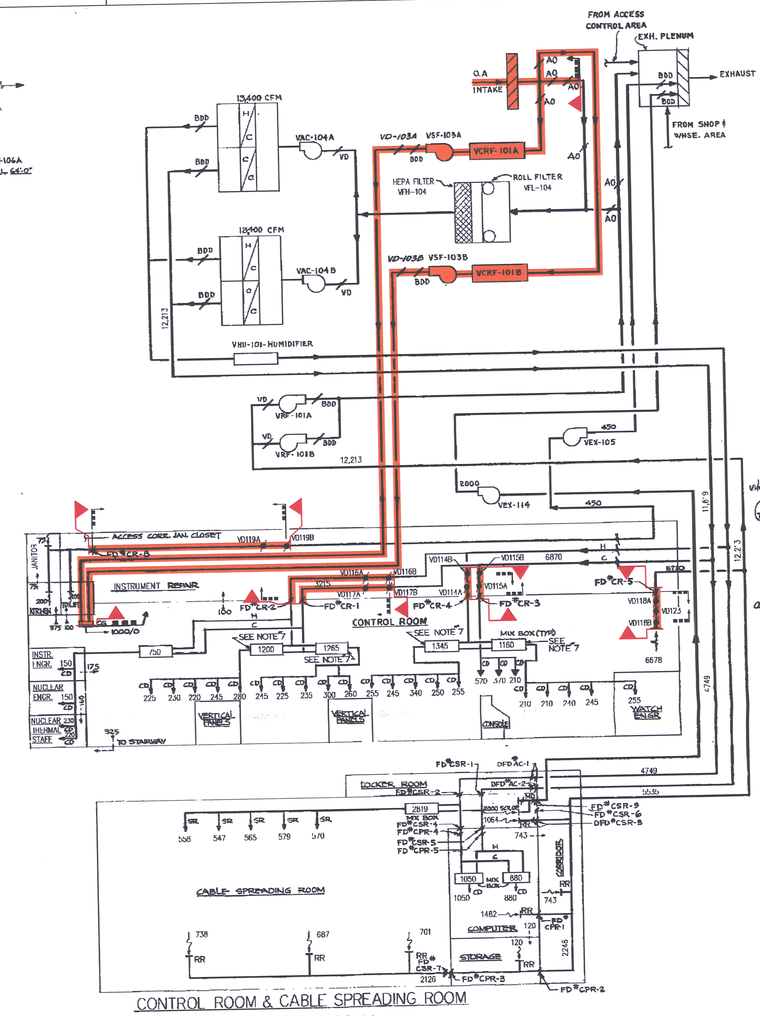


WAREHOUSE & MACHINE SHOP AIR FLOW DIAGRAM

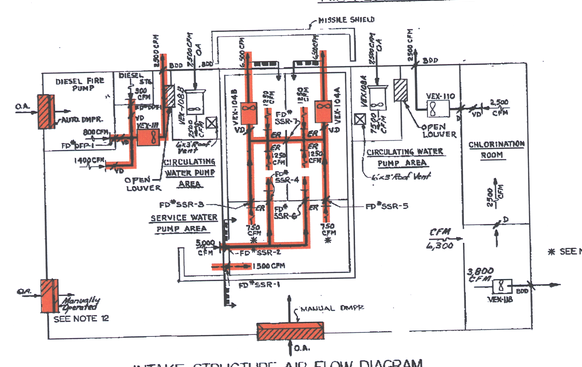


ACCESS CONTROL AIR FLOW DIAGRAM





CONTROL ROOM & CABLE SPREADING ROOM AIR-FLOW DIAGRAM



INTAKE STRUCTURE AIR FLOW DIAGRAM

NOTES

1.- DESIGN TEMPERATURES:

	SUMMER	WINTER
CONTROL ROOM AREA	75°F.DB	75°F.DB
ACCESS CONTROL "	"	"
INTAKE STRUCTURE	105°F MAX	60°F. MIN.
WHSE & SHOP	105°F. MAX.	60°F MIN

2.- RELATIVE HUMIDITY IN CONTROL ROOM & ACCESS CONTROL ROOM IS 50%.

3. FOR LEGEND SEE DWG M-28B.

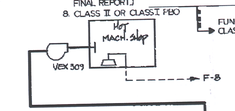
4. REV E1 CHANGES IN ACCORDANCE WITH DESIGN CHANGE STATUS FINAL REPORT DATED OCT. 3, 1977.

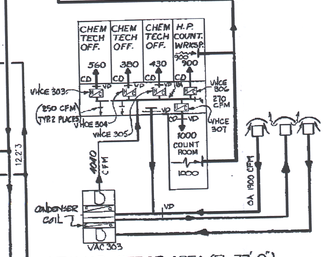
5. REFER TO DWG # M474 SH. 1 & 2 FOR 3 HR RATED FIRE DAMPER SCHEDULE AND DETAILS.

6. VHCE # ELECTRIC HEATING COIL.

7. UNDERSIZED MIXING BOXES ARE ACCEPTABLE WITH THE ADDITION OF THE ORIFICE BOX PER TM 90-14 (REF: SG90-600, C.R. HVAC BALANCE FINAL REPORT)

8. CLASS II OR CLASS I PBO





NEW H.P. OFFICE AREA (EL. 37'-0") AIR CONDITIONING SYSTEM

(NOTES CONT)

9. A SAMPLE TAP MADE OF 3/4"Ø 316 SS PIPE WITH FIVE 1/4"Ø HOLES SPACED 6" APART WAS INSTALLED. THE SAMPLE TAP IS CAPPED OFF ON ONE END. THE QUICK DISCONNECT ON THE OTHER END IS INTENDED FOR USE DURING MAINTENANCE ACTIVITIES FOR AIR SAMPLING. THE DESIGN IS NOT ISOKINETIC.

10. VEX-113 INLET IS BLOCKED BY INSTALLING A PLATE IN THE EXHAUST HOOD. VEX-113 IS NOT USED.

11. NORMAL EXHAUST FLOW IS 750 CFM. MAXIMUM EXHAUST FLOW IS 1500 CFM WHEN "A" OR "B" SSWP CUBICLE IS ISOLATED.

12. THIS LOUVER MAY BE CLOSED OR BLOCKED SHUT DURING COLD WEATHER MONTHS TO PREVENT FREEZING. REFERENCE: PR 93-0467.02

13. THE FOLLOWING VALVES ARE PART OF THE CITY WATER SUPPLY INF TO HUMIDIFIR VHU-102.

34 HO 204 INLET TO HUMIDIFIER FLOAT CHAMBER CITY WATER SUPPLY VALVE

34-110-205 – ISOLATION TO HUMIDIFIER FLOAT CHAMBER CITY WATER SUPPLY VALVE

14. SEVEN TEST CONNECTIONS ARE INSTALLED ON THE DUCT SYSTEMS OF EACH TRAIN OF CRIREAFS FOR THE PURPOSE OF SYSTEM TESTING. THESE CONNECTIONS REMAIN CAPPED DURING NORMAL OPERATION. SEE PDC 03-002 FOR LOCATIONS AND OTHER DETAILS.

E29

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS AMRM-19

NO.	DATE	REVISIONS	BY	ENG	CHK	APP
E29	7/03	REVISED FOR PDC 03-002 PER DCN 151151	TEB	—	AEJ	WLB
E28	9/02	REVISED PER DCN 02-13695	TEB	—	AEJ	WLB
E27	3/02	B: REVISED FOR FRN 98-01-18 PER DCN 12239	CTS	—	AEJ	DLJ
		A: REVISED FOR CR-PNP 2002-09100 PER DCN 12753		—	AEJ	DLJ
E26	12/01	REVISED FOR FRN 90-03-99 PER DCN 12112	CTS	—	AEJ	DLJ
E25	4/01	REVISED FOR PR 01-1682 PER DCN 10475	TEB	—	CTS	DLJ
E24	1/01	REVISED FOR PDC 99-18 PER DCN 10366	TEB	—	AEJ	DLJ
E23	10/98	REVISED FOR FRN 91-03-89 PER DCN 04442	CTS	—	AJB	DLJ
BG24	/98	SCANNED & REV FOR PR 98.8283 PER DCN 83825	CTS	—	AEJ	DLJ

SCALE NONE | DESIGNED BECHTEL | DRAWN SCAN | E

BOSTON EDISON

PILGRIM STATION
BOSTON EDISON COMPANY

CONTROL & CABLE SPREADING ROOM, INTAKE STRUCTURE, ACCESS CONTROL, WAREHOUSE & MACHINE SHOP – AIR FLOW DIAGRAMS

Q / Non Q | DRAWING NO. M292 | REV. E29

41100-1993

FSAR DWG FIGURE 10.9-6 (REV 16) Q:\MECH\P&ID\M292.CAL Q:\MECH\P&ID\M292.DWG

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	2-7-05					

REVISIONS

LRA-M-292-0

CAD FILE LRA-M-292_E29.DGN
MASTER FILE M292-CALS_E29.CAL

0-60