

- LEGEND**
- SUPPLY AIR
 - - - EXHAUST AIR
 - D DAMPER
 - GD GRAVITY DAMPER
 - CF CENTRIFUGAL FAN
 - AX AXIAL OR PROPELLER FAN
 - HOOD HOOD
 - OAI OUTSIDE AIR INTAKE
 - DO DIAPHRAGM OPERATOR
 - PO PISTON OPERATOR
 - MO MOTOR OPERATOR
 - CV CHECK VALVE
 - BV BUTTERFLY VALVE
 - GV GATE VALVE
 - TW THRU THE WALL A.C. UNIT
 - WM WIRE MESH SCREEN
 - FL FILTER-LOW OR MEDIUM EFFICIENCY
 - HEPA HEPA FILTER
 - CA CHARCOAL ADSORBER
 - DEM DEMISTER
 - EHC ELECTRIC HEATING COIL
 - TAF TRANSFER AIR FAN
 - VAD VORTEX DAMPER
 - BCD BAROMETRIC DAMPER
 - BAD BACK DRAFT DAMPER
 - FDPR FIRE DAMPER
 - AD ACCESS DOOR
 - CFM CFM

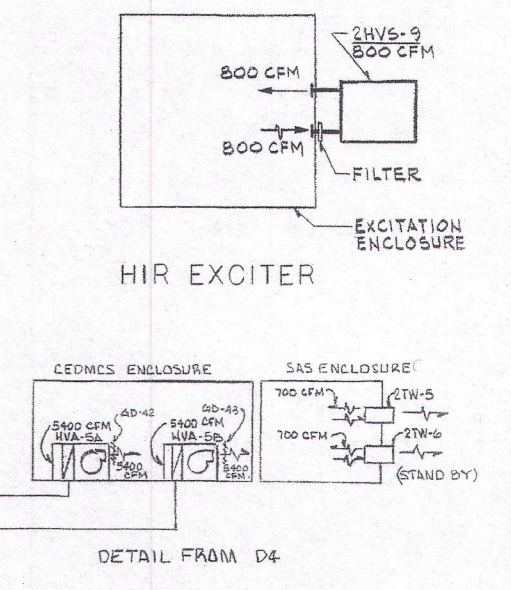
- NOTES**
1. FOR EQUIPMENT SCHEDULES SEE DWG G-880.
 2. FOR NOTES SEE DWG G-881.
 3. FOR L.R. DESIGN AND SAFETY RELATED HVAC SYSTEMS SEE DRAWINGS G-878, G-879, SH-1 AND G-879, SH-2.
 4. MAKE-UP AIR FOR RADIO CHEMISTRY LAB TO BE TAKEN FROM EL. 28'-2".

REFERENCE DRAWINGS

HVAC-REACTOR BLDG SH-1	2198-G-864
HVAC-REACTOR BLDG SH-2	2198-G-865
HVAC-REACTOR BLDG SH-3	2198-G-866
HVAC-REACTOR BLDG SH-4	2198-G-867
HVAC-REACTOR AUX BLDG SH-1	2198-G-868
HVAC-REACTOR AUX BLDG SH-2	2198-G-869
HVAC-REACTOR AUX BLDG SH-3	2198-G-870
HVAC-FUEL HANDLING BLDG	2198-G-871
HVAC-CONTROL RM AREA	2198-G-872
HVAC-TURBINE BLDG	2198-G-874
HVAC-EQUIPMENT RM SH-1	2198-G-875
HVAC-CONTROL DIAGRAM SH-1	2198-G-876
HVAC-CONTROL DIAGRAM SH-2	2198-G-877
HVAC-CONTROL DIAGRAM SH-3	2198-G-878

REACTOR SYSTEMS- SEQUENCE OF OPERATION

OPERATION	VALVE OPEN	VALVE CLOSE	FAN OPERATION
NORMAL		I-FCV-25-1 THRU I-FCV-25-6	2HVS-1A THRU (ONE STANDBY) 2HVS-2A & B (ONE STANDBY) 2HVS-21A, 21B (ONE STANDBY)
EMERGENCY		I-FCV-25-1 THRU I-FCV-25-6	2HVS-1A THRU (ONE STANDBY) 2HVS-2A & B (ONE STANDBY) 2HVS-21A, 21B (ONE STANDBY)
PRE-PURGE		I-FCV-25-1 THRU I-FCV-25-6	2HVS-1A THRU (ONE STANDBY) 2HVS-2A & B (ONE STANDBY) 2HVS-21A, 21B (ONE STANDBY)
PURGE	I-FCV-25-1 THRU I-FCV-25-6		2HVS-2A & B (ONE STANDBY)



REVISION OF THIS DWG REQUIRES UPDATE OF THE FOLLOWING DOCUMENT

FSAR FIG 9.4-1, 9.4-3, 9.4-5, 9.4-8

NUCLEAR SAFETY RELATED IN PART ONLY

THE DESIGN INFORMATION FOR THE CHANGES SHOWN IN THIS REVISION HAS BEEN ENGINEERED BY FLORIDA POWER & LIGHT COMPANY.

THIS DOCUMENT IS THE PROPERTY OF EBASCO SERVICES INCORPORATED. ITS USE IS EXPRESSLY RESTRICTED BY THE TERMS OF THE CONTRACT, DATED AS OF SEPTEMBER 1, 1975 BETWEEN EBASCO SERVICES INCORPORATED AND FLORIDA POWER & LIGHT COMPANY.

FLORIDA POWER & LIGHT COMPANY
ST LUCIE PLANT
1985 - 800 MW EXTENSION - UNIT 2
HVAC - AIR FLOW DIAGRAM

EBASCO SERVICES INCORPORATED

SCALE NONE	APPROVED	DATE OCT 3, 1986
DIV MECH	<i>[Signature]</i>	2198-G-862
DR AMOROS	<i>[Signature]</i>	
CH PRANONIC	<i>[Signature]</i>	

NO	DATE	REVISION	BY	CHK	APPROVED
33	11/20/86	EC278372 REV(A11-12) MONITOR AND FLOW	GA	RW	DG
32	6/27/83	EC279401 REV(L15) CFM VALUES	GA	MZ	DG
31	10/20/82	EC249981 REV(A10,29) CFM VALUES	GA	GW	WBN
30	7/31/80	PCM 00081 ADD(139) DAMPER	GA	GW	DG
29	12/26/07	PCM 08110 DEL(115-117 & 112-114) DETAILS	GA	GW	WBN
28	12/14/07	PCM 08128 REV. (K13) DUCT.	GA	GW	DG
27	4/2/07	PCM 05094 ADD: (69) REF. TO ELEVATION REV (F3,F4 & 6) CFM VALUES.	GA	GW	DG
26	7/17/06	PCM 04201-14328 DEL. (A15) DAMPER	GA	GW	PGB