



SYSTEM OPER. DATA		
ID	AIR FLOW ACFM	AIR TEMP. °F
1	6800	56
2	2100	65/88
3	2300	56.8
4	3100-2100	19/95
5	1000-0	19/95
6	3100-2100	65/88
7	2100	19/95
8	1000-0	65/88

SAFETY CLASS VERIFICATION	
ORIGINATED BY	D.O.S. II-24-76
REVIEWED BY	M.A.S. II-24-76

SYSTEM DESIGN DATA		
ID	AIR FLOW ACFM	AIR TEMP. °F
3	2300	56.8
2	2100	65/88
1	6800	56

- Ⓟ CLOSE "A-SIDE" "B" TRAIN DAMPER ON S.I. SIGNAL.
- Ⓥ CLOSE "B-SIDE" "W" TRAIN DAMPER ON S.I. SIGNAL.
- Ⓛ FANS START ON ESF LOADING SEQUENCE SIGNAL.
- Ⓧ CLOSE ASSOCIATED DAMPER ON LOW BATTERY ROOM TEMPERATURES.

- NOTES:
- EXCEPT WHERE OTHERWISE NOTED ALL ALARMS AND INDICATING LIGHTS ARE LOCATED AT THE HVAC CONTROL BOARD (XCP-8220-AH) IN THE MAIN CONTROL ROOM.
 - (I) INDICATES INSTRUMENT FURNISHED WITH EQUIPMENT.
 - HEATING COILS ARE PROVIDED WITH OVERTEMP. AND LOW FLOW PROTECTIVE DEVICES.
 - FOR SAFETY CLASSIFICATION OF INSTRUMENTATION SEE THE INSTRUMENT LIST.
 - SWITCH AND INDICATING LIGHTS FOR BOP CHARGER AREA UNIT ARE LOCATED AT LOCAL PANEL XPN-5192-VL.
 - BATTERY ROOM "A" SUPPLY AND RETURN CFM IS 6800 EACH, "B" CFM IS 6000 EACH, "C" CFM IS 8300 EACH, CHARGING ROOM "A" SUPPLY AND RETURN CFM IS 1750 EACH, "B" CFM IS 1750 EACH, AND "A/B" CFM IS 1200 EACH.

PLEX Drawing TR00160-007

DRAWING LEGIBILITY	CLASS 1
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THIS IS A NUCLEAR SAFETY RELATED DOCUMENT. NO DEVIATION SHALL BE INITIATED OR PERFORMED WITHOUT PRIOR DOCUMENTATION AND WRITTEN APPROVAL.

DATE	REVISIONS	BY	CHKD	APP'D
11-24-76	CONSTRUCTION			DOS
9-17-74	PRELIMINARY NOT FOR CONSTRUCTION			TN
	BIDDING PURPOSES			
	LIMITED CONSTRUCTION AS NOTED			
9-17-74	FOR CLIENT APPROVAL			TM
DATE	RELEASED FOR			ENDR.

SOUTH CAROLINA ELECTRIC & GAS COMPANY

YUIGIL C. SUMNER NUCLEAR STATION UNIT #1

BUILDING SERVICE SYSTEM FLOW DIAGRAM

BATTERY RM. & CHARGING RM., BOP CHARGER AREA

VENTILATION SYSTEM

GILBERT ASSOCIATES, INC.

ENGINEERS AND CONSULTANTS

DATE	04	4461	D-912-138	14
PROJECT NUMBER				
DRAWING NUMBER				
REV				

NO.	DATE	BY	CHKD	APP'D	REVISIONS
1	11-24-76				ISSUED FOR CONSTRUCTION
2	11-24-76				ISSUED FOR CONSTRUCTION
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