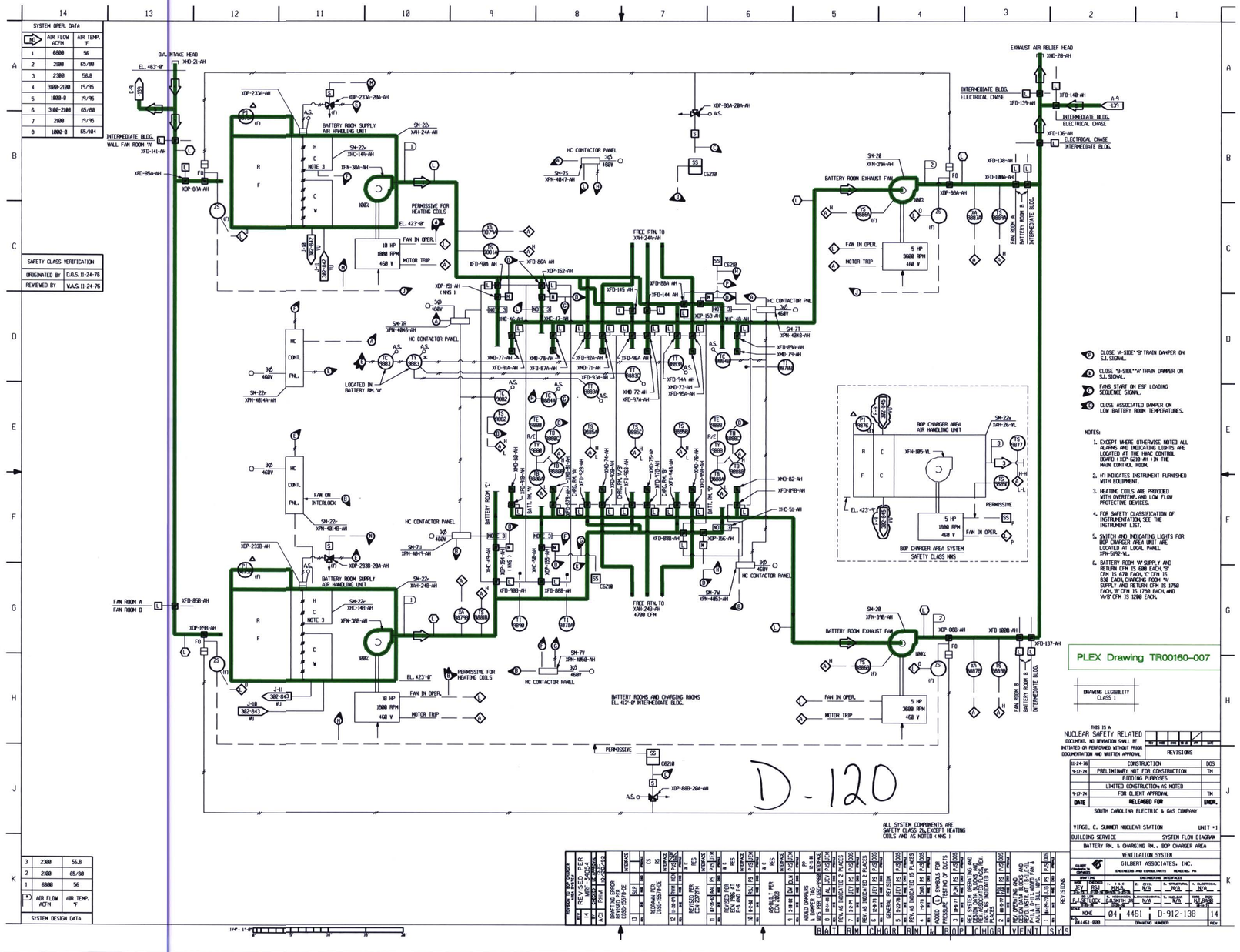

SYSTEM OPER. DATA

NO.	AIR FLOW ACFM	AIR TEMP. °F
1	6800	56
2	2100	65/80
3	2300	56.8
4	3100-2100	19/95
5	1000-0	19/95
6	3100-2100	65/80
7	2100	19/95
8	1000-0	65/104

SAFETY CLASS VERIFICATION

ORIGINATED BY	D.O.S. 11-24-76
REVIEWED BY	W.A.S. 11-24-76

3	2300	56.8
2	2100	65/80
1	6800	56
1	AIR FLOW ACFM	AIR TEMP. °F

SYSTEM DESIGN DATA

CLOSE 'A-SIDE' 'B' TRAIN DAMPER ON S.I. SIGNAL.

CLOSE 'B-SIDE' 'A' TRAIN DAMPER ON S.I. SIGNAL.

FANS START ON ESF LOADING SEQUENCE SIGNAL.

CLOSE ASSOCIATED DAMPER ON LOW BATTERY ROOM TEMPERATURES.

NOTES:

1. EXCEPT WHERE OTHERWISE NOTED ALL ALARMS AND INDICATING LIGHTS ARE LOCATED AT THE HVAC CONTROL BOARD (XCP-6218-AH) IN THE MAIN CONTROL ROOM.
2. (F) INDICATES INSTRUMENT FURNISHED WITH EQUIPMENT.
3. HEATING COILS ARE PROVIDED WITH OVERTEMP. AND LOW FLOW PROTECTIVE DEVICES.
4. FOR SAFETY CLASSIFICATION OF INSTRUMENTATION, SEE THE INSTRUMENT LIST.
5. SWITCH AND INDICATING LIGHTS FOR BOP CHARGER AREA UNIT ARE LOCATED AT LOCAL PANEL XPN-5192-VL.
6. BATTERY ROOM 'A' SUPPLY AND RETURN CFM IS 600 EACH, 'B' CFM IS 670 EACH, 'C' CFM IS 830 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

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

REVISIONS

DATE	RELEASED FOR	ENGR.
11-24-76	CONSTRUCTION	DOS
9-17-74	PRELIMINARY NOT FOR CONSTRUCTION	TM
	BIDDING PURPOSES	
	LIMITED CONSTRUCTION AS NOTED	
9-17-74	FOR CLIENT APPROVAL	TM

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION UNIT #1

BUILDING SERVICE SYSTEM FLOW DIAGRAM

BATTERY RM. & CHARGING RM., BOP CHARGER AREA

VENTILATION SYSTEM

GILBERT ASSOCIATES, INC.

ENGINEERING AND CONSULTANTS READING, PA.

DRAFTING	ENGINEERING INTERFACES			
REV	DESIGN RSJ	1. I & C MAN	2. CIVIL N/A	3. STRUCTURAL N/A	4. ELECTRICAL N/A
REV	DRAWN	5. MECH.	6.	7. NUCLEAR N/A	8.
REV	CHECK	9.	10.	11.	12.

SCALE NONE

04 4461 D-912-138 14

DRAWING NUMBER

BATT RM CHGR RM & BOP CHGR VENT SYS