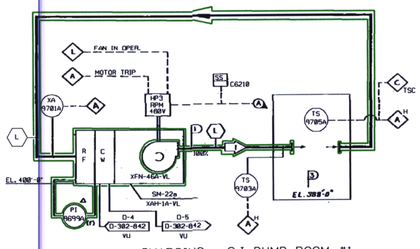
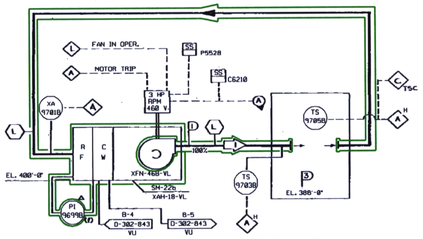
SYSTEM OPERATING DATA

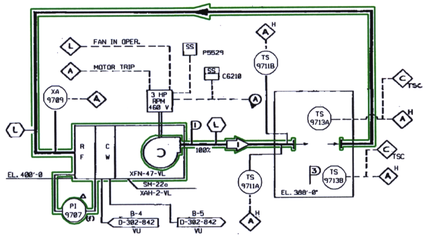
	AIR FLOW CFM	AIR TEMP. °F	
1	3,400	55	
2	3,400	55	
3	2,300	55	
4	4,000	55	
5	5,500	55	
6	6,000	60	
7	3000	56	



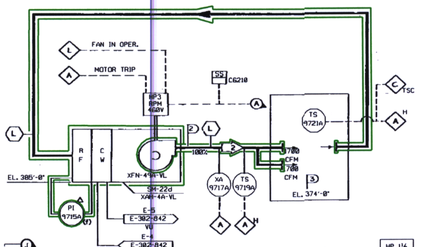
CHARGING - S.I. PUMP ROOM #1
COOLING SYSTEM



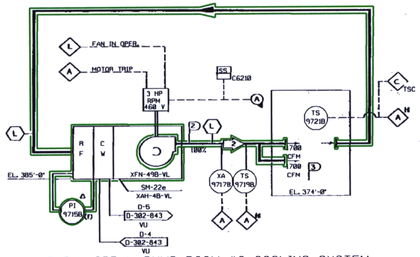
CHARGING - S.I. PUMP ROOM #3
COOLING SYSTEM



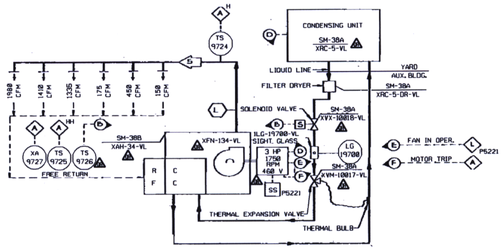
CHARGING - S.I. PUMP ROOM #2 (SWING)
COOLING SYSTEM



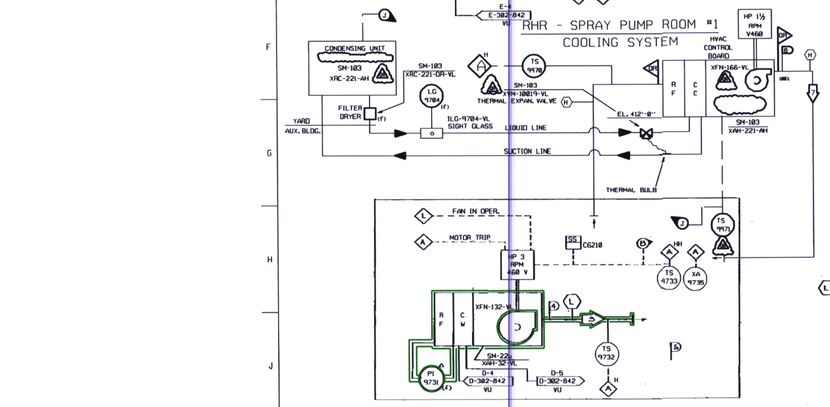
RHR - SPRAY PUMP ROOM #1
COOLING SYSTEM



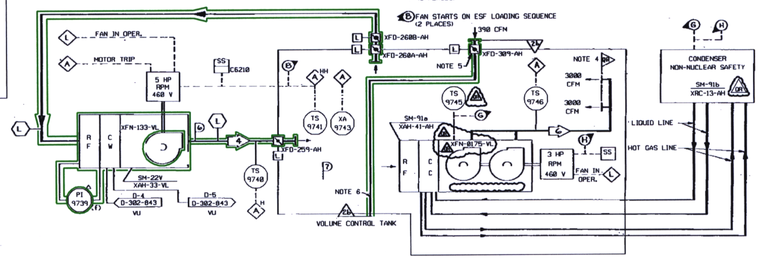
RHR - SPRAY PUMP ROOM #2 COOLING SYSTEM



AUXILIARY BUILDING MCC SWITCHGEAR AIR HANDLING UNIT
ELEVATION 436'-0"
NON-NUCLEAR SAFETY



AUXILIARY BUILDING MCC SWITCHGEAR AIR HANDLING UNIT
ELEVATION 412'-9"



AUXILIARY BUILDING MCC SWITCHGEAR AIR HANDLING UNITS
ELEVATION 463'-0"

(A) FAN OPERATES WITH ASSOCIATED PUMP(S) (5 PLACES)

(B) FAN STARTS ON ESF LOADING SEQUENCE (2 PLACES)

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 INSTALL IS FURNISHED WITH EQUIPMENT
3. FOR SAFETY CLASSIFICATION OF INSTRUMENTS, SEE INSTRUMENT LIST.
4. ALL DUCTWORK IDENTIFIED AS QR TO BE PER QRP-4.
5. DAMPER IS NON-NUCLEAR SAFETY, ONLY DUCT IS CLASS 2b.
6. PRESSURE TIGHT DUCT CONSTRUCTION IN AB63-8-1.
7. ALL EQUIPMENT IDENTIFIED AS (A) TO BE PER TRP-31.

ALL SYSTEMS AND COMPONENTS ARE SAFETY CLASS 2b, EXCEPT AS NOTED.

* QUALITY RELATED-FABRICATION, ERECTION AND INSPECTION PER SCE&G QRP FOR HVAC DUCTS AND SUPPORTS.

SYSTEM DESIGN DATA

	AIR FLOW CFM	AIR TEMP. °F	
1	3,400	55	
2	3,400	56	
3	-	104 MAX	
4	2,300	55	
5	-	65	
6	4,800	55	
7	-	65	
8	3000	56	

1/4"=1'-0"

PLEX Drawing TR00160-007

FSAR Figure 9.4-10

SOUTH CAROLINA ELECTRIC & GAS COMPANY

VIRGIL C. SUMMER NUCLEAR STATION

BUILDING SERVICE SYSTEM FLOW DIAGRAM
AUXILIARY BUILDING
PUMP ROOM COOLING SYSTEM
DESIGN ENGINEERING

DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED

THIS IS A NUCLEAR SAFETY RELATED DRAWING AND MUST BE MADE LEGIBLE BY ALL REPRODUCTIONS AND WRITTEN APPROVAL

NO	DATE	BY	REVISION	CHD. BY	LE APPROVAL
21	05/98	JMF	REVISED PER ECR-50295	MGR	FM
20	9/20/96	RHM	REVISED PER MRF-21511 & MRF-22009	MGR	JMG
19	10/30/91	JMH	REVISED PER CCCS-SJ-0378	DVW	GAA

DATE	DRAWN	LE APPROVAL
JMH	DVW	GAA

V. C. SUMMER NUCLEAR STATION JENKINSVILLE, S.C.

D-912-132 (DRAWING NUMBER) 21 (SHT. NUMBER) (REV.)

D-117