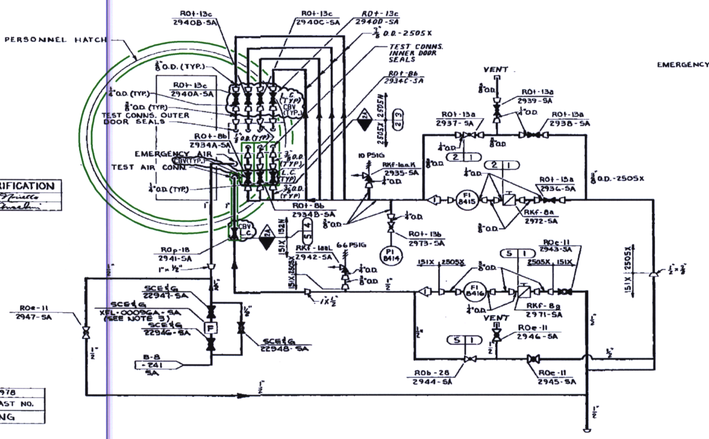
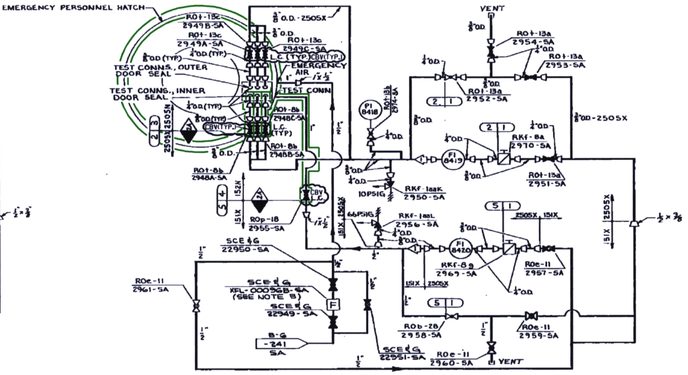
SYSTEM DATA					
	SCFM	PSIG	°F	BY	REMARKS
1	14	6	110	JN	
2			110	JN	

SAFETY CLASS VERIFICATION
ORIGINATED BY
REVIEWED BY

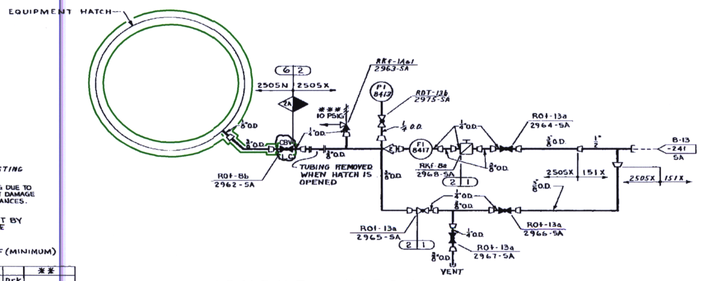
SA	2900	2978
SYS. SUFFIX	FIRST NO.	LAST NO.
VALVE NUMBERING		



PERSONNEL HATCH
TEST & EMERGENCY AIR CONNECTIONS



EMERGENCY PERSONNEL HATCH
TEST & EMERGENCY AIR CONNECTIONS



EQUIPMENT HATCH
TEST CONNECTION

*** TO BE RESET TO 66 PSIG FOR CONTAINMENT LEAK RATE TESTING

** PNEUMATIC TEST PRESSURE @ 10 PSIG DUE TO NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO CONTROLS AND FOR SAFETY APPLIANCES.

* PNEUMATIC TEST PRESSURE IS SET BY MAXIMUM DOOR SEAL PRESSURE BY PDM

PNEUMATIC TEST TEMP. -40°F (MINIMUM)

DESIGN DATA									
	PSIG	°F	PSIG	°F	DURATION	%	BY	CRD	REMARKS
	NORMAL		UPSET						
6	8	110	66	283	21%	10			**
5	50	110	66	110	21%	39	JN	DYK	
4	50	110	66	283	21%	83	JN	DYK	
3	8	110	66	283	21%	10	JN	DYK	*
2	8	110	10	110	21%	13	JN	DYK	
1	120	110	135	296	21%	240	JN	EDA	
P	PSIG	°F	PSIG	°F	DURATION	%			
	NORMAL		UPSET				BY	CRD	REMARKS

1/4"=1'-0"

D-78

NOTES:
1. LINE SPEC. 151X UNLESS NOTED OTHERWISE.
2. SAFETY CLASS NON-NUCLEAR EXCEPT AS NOTED.
3. INSTALL FILTER IN A HORIZONTAL PIPE RUN.

PLEX Drawing TR00160-006

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

DRAWING LEGIBILITY CLASS 1
SCE&G CAD ENHANCED

NO.	DATE	BY	REVISION	ORIG. BY	APPROVED
8	09/15/95	AVH	REVISED PER MRF-22640	MGR	JEW
7	08/28/95	AVH	REVISED PER MRF-22671	MGR	JEW
6	7/2/98	CRD	REVISED PER MRF-21508	PS	PJS

SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMMER NUCLEAR STATION
PIPING SYSTEM FLOW DIAGRAM
STATION AIR SUPPLY TO PERSONEL, EMERGENCY PERSONNEL AND EQUIPMENT HATCHES
DESIGN ENGINEERING

DRAWN	DESIGN	QA APPROVAL
DB	PS	PJS

SCALE: 1/4"=1'-0" | SIZE: D | DRAWING NUMBER: D-302-242 | REV. NO. SUBS: 8