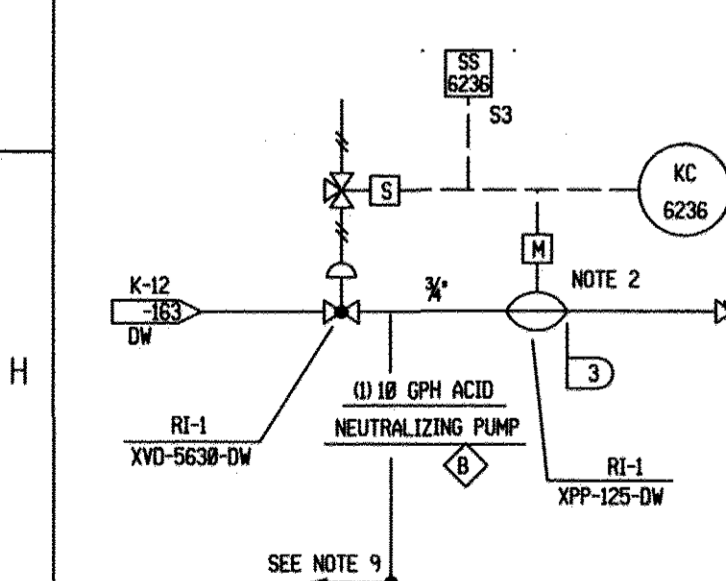
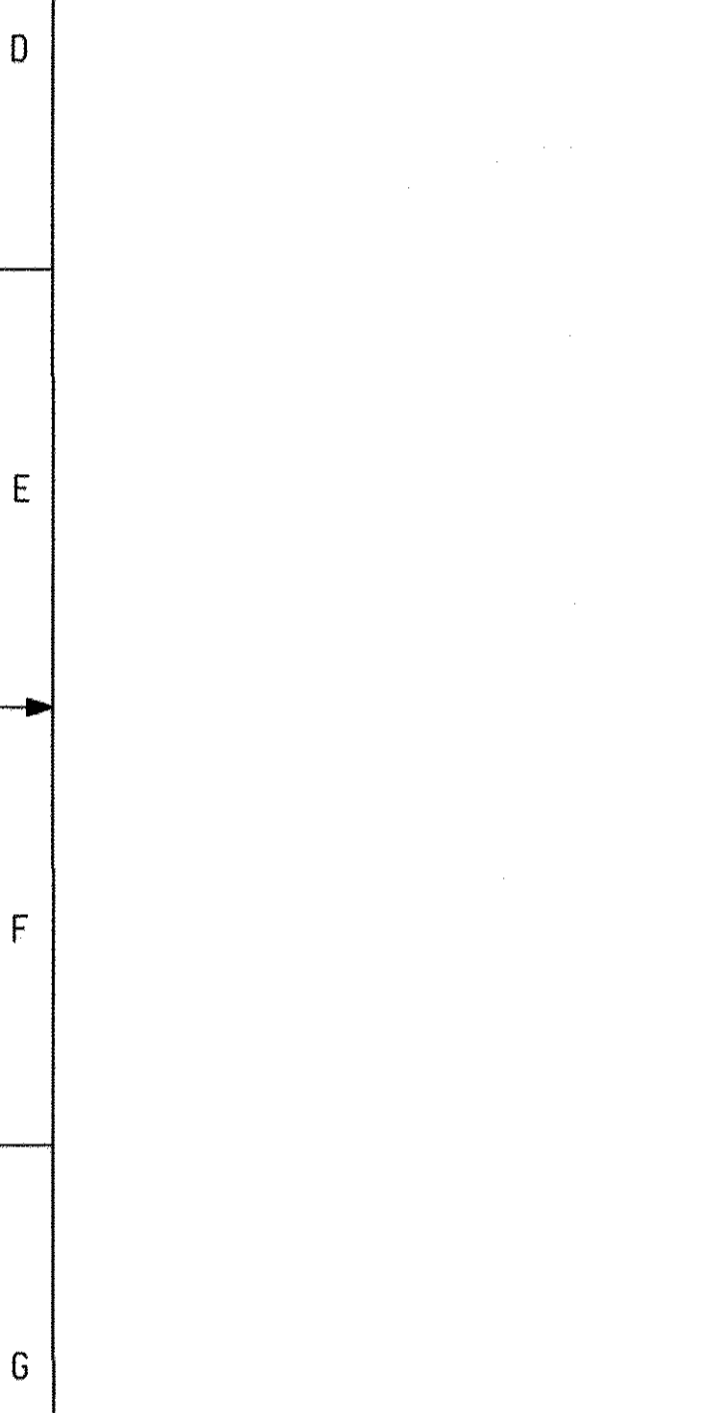
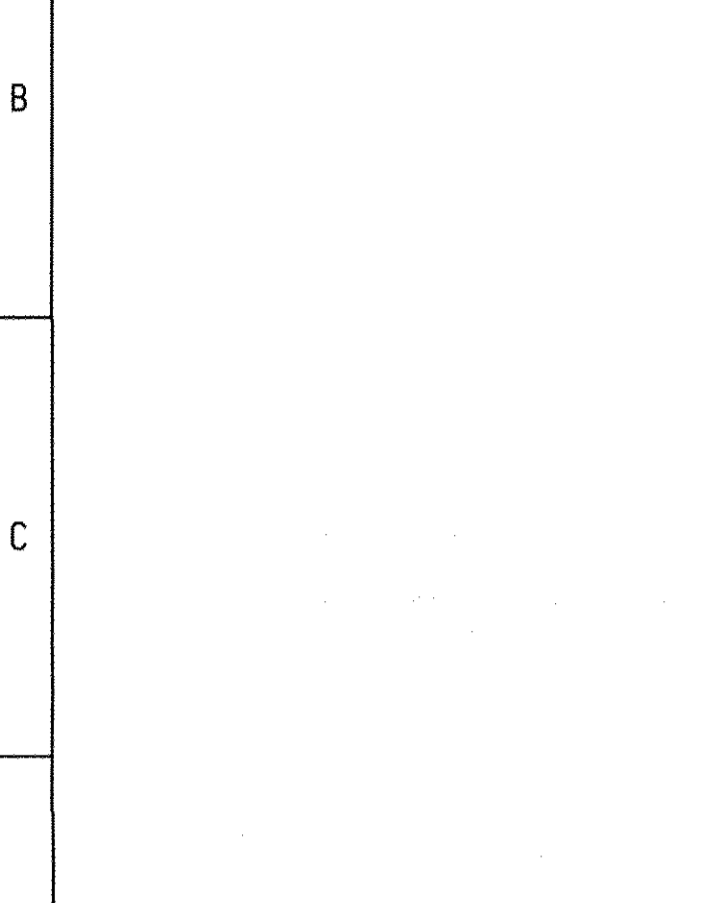


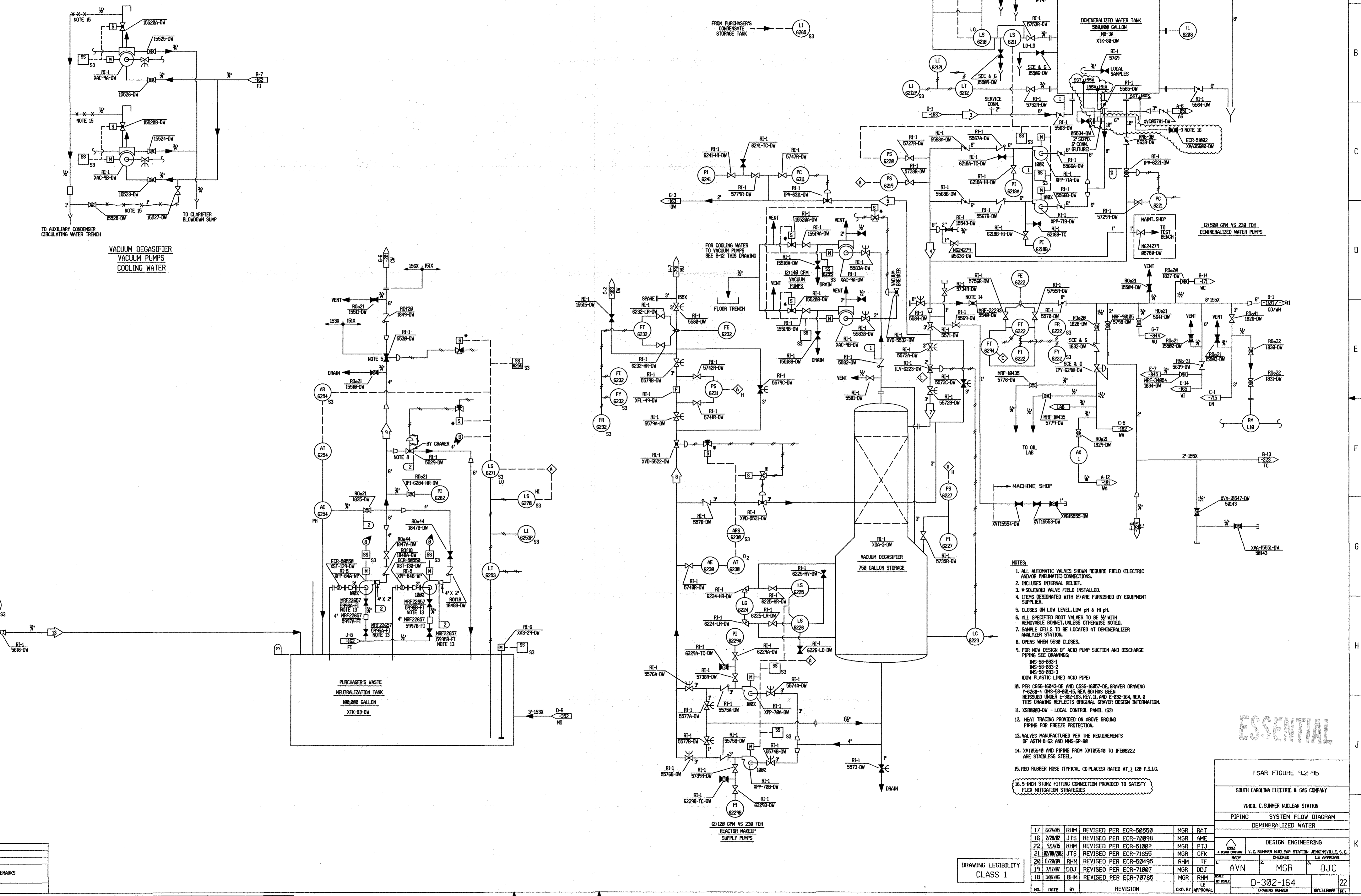
#	QPM	PSIG	°F	BY	REMARKS
3	750	35	90	AM	
4	1000	100	90	AM	
5	447	100	90	GHR***	
7	150	100	90	AM	
8	120	100	90	AM	
9	500	67	90	AM	
13	10*	55	75	GHR***	GPH

*** DURING REGENERATION
 ** DURING NEUTRALIZATION



#	PSIG	°F	DURA	HY-DRD	BY	REMARKS	
1	110	90	130	95	CZ	225	GHR
2	90	90	100	95	CZ	135	GHR
3	60	75	65	80	CZ	90	GHR

DESIGN DATA



NO.	DATE	BY	REVISION	CHKD. BY	APPROVAL
17	8/24/85	RHM	REVISED PER ECR-50550	MGR	RAT
16	2/20/82	JTS	REVISED PER ECR-70098	MGR	AME
22	9/14/85	RHM	REVISED PER ECR-51002	MGR	PJT
21	10/10/80	JTS	REVISED PER ECR-71655	MGR	GFK
20	11/20/80	RHM	REVISED PER ECR-50495	RHM	TF
19	7/17/87	DDJ	REVISED PER ECR-71007	MGR	DDJ
18	3/07/86	RHM	REVISED PER ECR-70785	MGR	RHM

- NOTES:
- ALL AUTOMATIC VALVES SHOWN REQUIRE FIELD ELECTRIC AND/OR PNEUMATIC CONNECTIONS.
 - INCLUDES INTERNAL RELIEF.
 - SOLENOID VALVE FIELD INSTALLED.
 - ITEMS DESIGNATED WITH (I) ARE FURNISHED BY EQUIPMENT SUPPLIER.
 - CLOSES ON LOW LEVEL, LOW pH & HI pH.
 - ALL SPECIFIED ROOT VALVES TO BE 1/2" WITH REMOVABLE BONNET, UNLESS OTHERWISE NOTED.
 - SAMPLE CELLS TO BE LOCATED AT DEMINERALIZER ANALYZER STATION.
 - OPENS WHEN 5030 CLOSES.
 - FOR NEW DESIGN OF ACID PUMP SUCTION AND DISCHARGE PIPING SEE DRAWINGS:
 - IMS-58-883-1
 - IMS-58-883-2
 - IMS-58-883-3
 - (I) DW PLASTIC LINED ACID PIPED
 - PER C550-15843-DE AND C550-16857-DE GRANNER DRAWING Y-6268-4 (IMS-58-881-15, REV. 8) HAS BEEN REISSUED UNDER E-382-163, REV. 11, AND E-382-164, REV. 8 THIS DRAWING REFLECTS ORIGINAL GRANNER DESIGN INFORMATION.
 - XSR8883-DW - LOCAL CONTROL PANEL (CS)
 - HEAT TRACING PROVIDED ON ABOVE GROUND PIPING FOR FREEZE PROTECTION.
 - VALVES MANUFACTURED PER THE REQUIREMENTS OF ASTM-B-62 AND MSS-SP-88
 - XVTR8548 AND PIPING FROM XVTR8548 TO IFR6222 ARE STAINLESS STEEL.
 - RED RUBBER HOSE (TYPICAL (3) PLACES) RATED AT 120 P.S.I.G.
 - 1.6 INCH STORE FITTING CONNECTION PROVIDED TO SATISFY FLEX MITIGATION STRATEGIES

DRAWING LEGIBILITY CLASS 1

ESSENTIAL

FSAR FIGURE 9.2-9b	
SOUTH CAROLINA ELECTRIC & GAS COMPANY	
VIRGIL C. SUMNER NUCLEAR STATION	
PIPING SYSTEM FLOW DIAGRAM	
DEMINERALIZED WATER	
DESIGN ENGINEER	
NAME	V. C. SUMNER NUCLEAR STATION JENKINSVILLE, S. C.
CHECKED	LE APPROVAL
AVN	MGR
D-302-164	DJC
DRAWING NUMBER	SHT. NUMBER
22	22