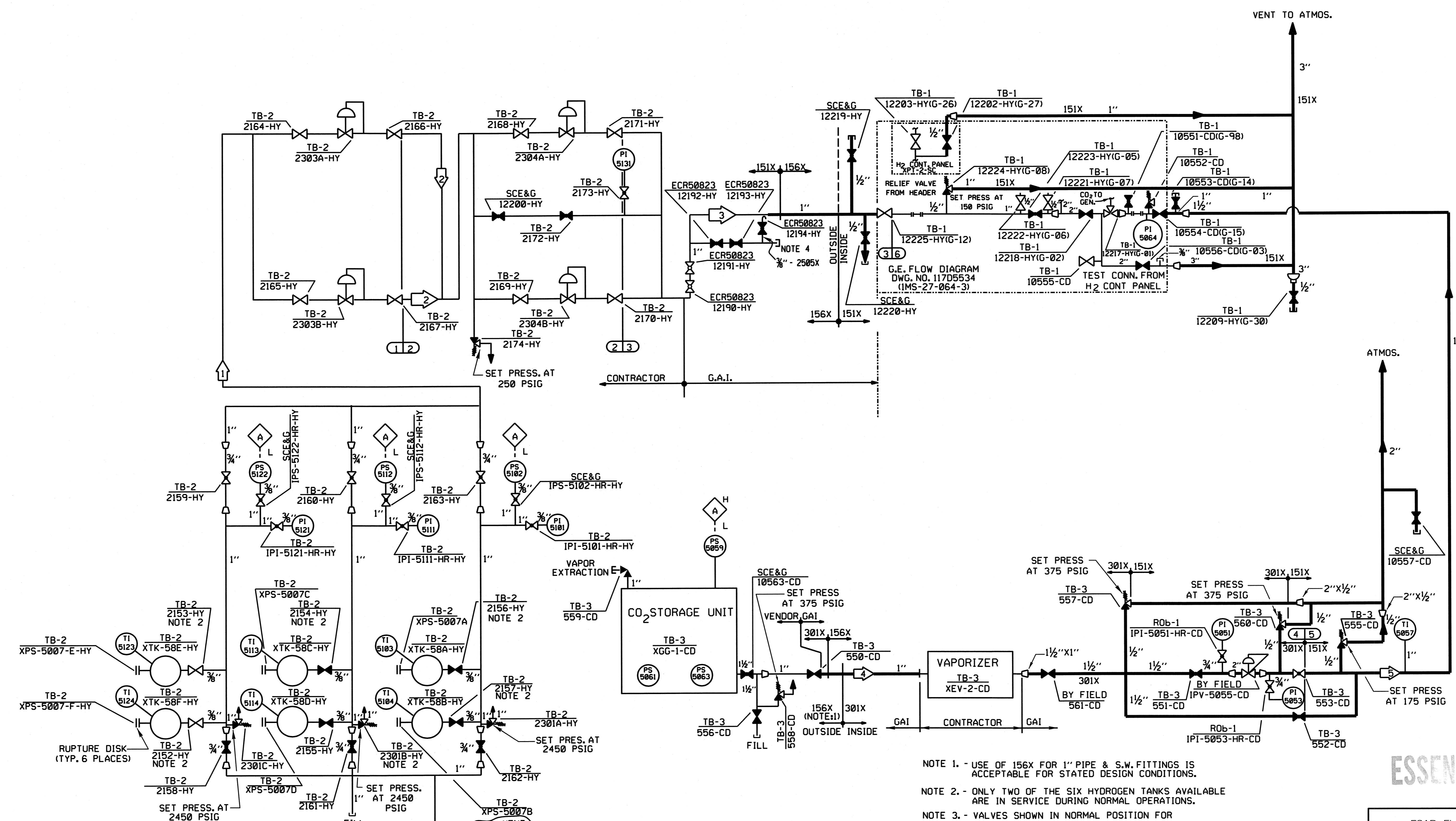


SYSTEM DATA					
#	PSIG	°F	SCFM	LB/HR	FLUID
1	2300	60	125	-	H ₂ GAS
2	200	60	125	-	H ₂ GAS
3	90	60	125	-	H ₂ GAS
4	270	95	-	1235	CO ₂ LIQUID
5	90	60	175	-	CO ₂ GAS



- NOTE 1. - USE OF 156X FOR 1" PIPE & S.W. FITTINGS IS ACCEPTABLE FOR STATED DESIGN CONDITIONS.
- NOTE 2. - ONLY TWO OF THE SIX HYDROGEN TANKS AVAILABLE ARE IN SERVICE DURING NORMAL OPERATIONS.
- NOTE 3. - VALVES SHOWN IN NORMAL POSITION FOR OPERATION IN HYDROGEN.
- NOTE 4. - TEMPORARY HYDROGEN UNIT REQUIREMENTS ARE DOCUMENTED PER ECR50823, SECTION 2.1.

#	PSIG	°F	PSIG	°F	DURA	HY-DRG	BY	REMARKS
6	90	60	150	100	<1%	100		PNEUMATIC TEST
5	90	60	175	100	<1%	100		
4	300	60	375	100	<1%	100		
3	90	60	250	100	<1%	100		
2	200	60	250	100	<1%	-		
1	2300	60	2450	100	<1%	-		

ESSENTIAL

FSAR Figure 10.2-5
SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMNER NUCLEAR STATION
PIPING SYSTEM FLOW DIAGRAM
GENERATOR GAS & VENTS

DESIGN ENGINEERING
A. V. N. M. G. R. L. E. K.

D-302-301

NO.	DATE	BY	REVISION	CHK. BY	APPROVAL
11	07/03	RHM	REVISED PER ECR-70502A	MGR	SY
10	05/07	DDJ	REVISED PER ECR50823	RHM	AME
9	07/05	JMR	REVISED PER ECR-70502	MGR	OK
8	07/03	JMR	CADD ENHANCED PER ECR-50239	MGR	DDJ
7	07/01	DDJ	REVISED PER ECR-70028	MGR	DDJ
6	05/24/04	AVN	REVISED VLV. ALGN. PER MRF21934	MGR	LEK