



SOUTH CAROLINA ELECTRIC & GAS CO.
 Virgil C. Summer Nuclear Station Unit No. 1

APPROVED
 APPROVED AS NOTED
 RETURNED FOR CORRECTION

GILBERT/COMMONWEALTH, INC.
 BY Jack K. Dean
 DRAWING NO. RKH DATE 4/1/85
 REF-20434

- NOTES:
1. THESE SIGNALS INDICATE THE CLOSING OF THE STOP VALVES. POSITION DETECTION IS ACCOMPLISHED BY 2 SWITCHES PER STOP VALVE, ONE FOR EACH TRAIN. THE LOGIC SHOWN IS FOR 4 STOP VALVES. THE ACTUAL NUMBER OF STOP VALVES MAY BE DIFFERENT.
 2. REDUNDANCY IS INDICATED IN REGARDS TO (R) REQUIREMENTS ONLY.
 3. SIGNAL USED TO BLOCK GENERATOR LOAD INCREASES.
 4. OPEN/SHUT INDICATION IN CONTROL ROOM.
 5. GENERATOR MOTORING PROTECTION SHOULD NOT DEFEAT THE 30 SEC. DELAY.
 6. THE MASTER TRIP BUS IS REDUNDANTLY ENERGIZED BY A SINGLE REDUNDANTLY POWERED 24V DC BUS. THE 24V DC BUS NORMALLY POWERS THE MASTER TRIP SOLENOID SO THAT A LOSS OF POWER ON THE BUS WILL RESULT IN AN IMMEDIATE TURBINE TRIP.
 7. ADDITIONAL DETAILS ARE AVAILABLE FOR THE TURBINE TRIP SYSTEM FROM G.A.I. DRAWING E-203-201.

AMENDMENT 99-01
 JUNE 1999

FSAR Figure 7.2-1 SHT. 15

FUNCTIONAL DIAGRAMS	
TURBINE TRIP RUNBACK	
AND OTHER SIGNALS	
(W/ REQUIREMENTS)	
REVISION NO. 1080837	
DESIGN ENGINEERING	
BY RHM	BY MGR
BY JCL	BY JCL
DATE 11/15/85	DATE 11/15/85
REVISED PER REF-20726	REVISED PER REF-20726

DRAWING LEGIBILITY
 CLASS 2
 SCRS CAD ENHANCED

98-47

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