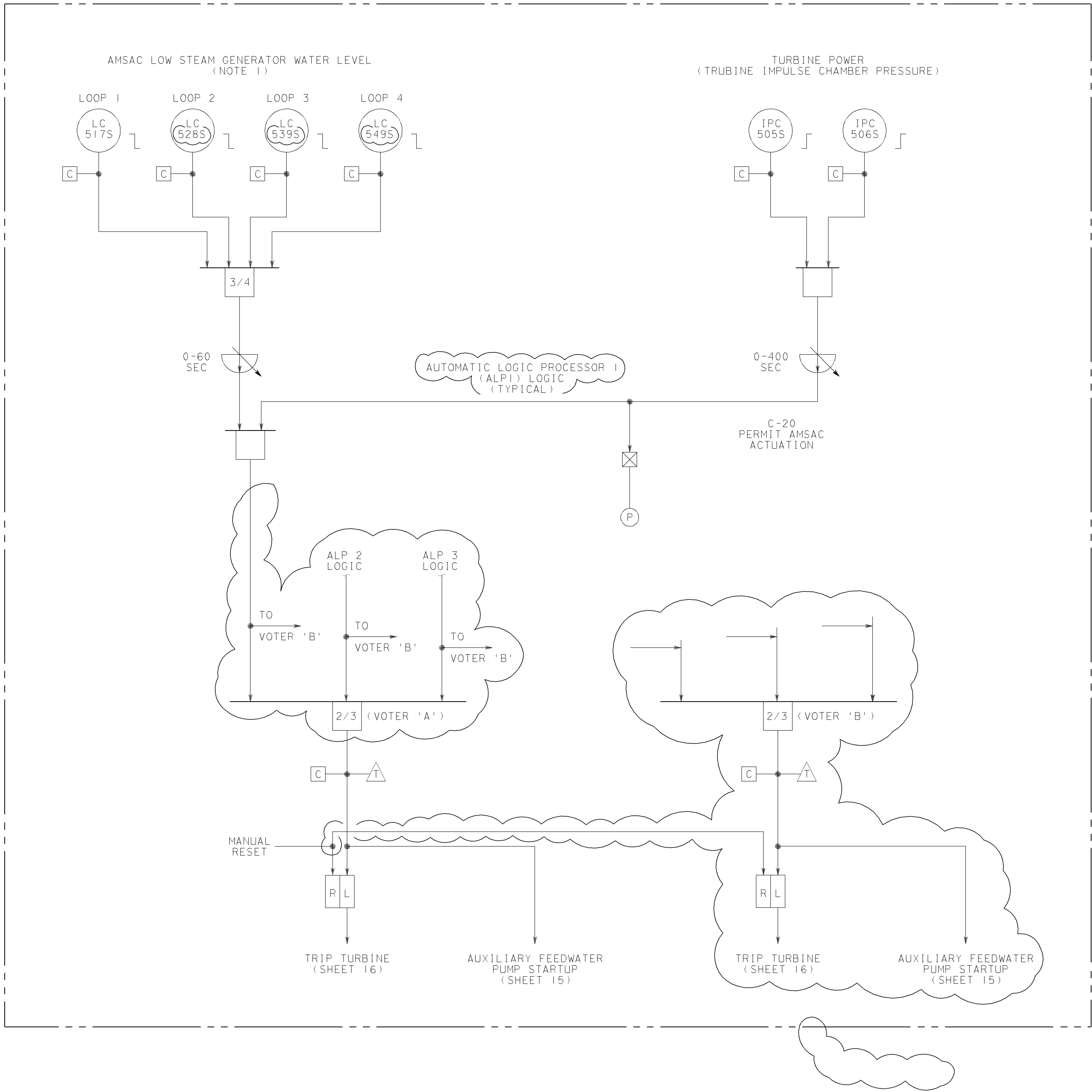




NOTES	
1.	AMSAC MAY BE REMOVED FROM SERVICE FOR TEST PURPOSES.
2.	SHEET NUMBERS REFER TO THE REFERENCE NUMBERS BELOW.
3.	WHENEVER A PROCESS SIGNAL IS USED FOR CONTROL AND IS DERIVED FROM A PROTECTION CHANNEL, ISOLATION MUST BE PROVIDED.
4.	THIS DRAWING ILLUSTRATES THE FUNCTIONAL REQUIREMENTS OF THE REACTOR CONTROL AND PROTECTION SYSTEM. THIS DRAWING DOES NOT REPRESENT ACTUAL HARDWARE IMPLEMENTATION. FOR HARDWARE IMPLEMENTATION, REFER TO THE APPLICABLE SCHEMATIC DIAGRAM(S).

REFERENCES	
1. FUNCTIONAL LOGIC DIAGRAM INDEX AND SYMBOLS	5653D74-1 495871
2. FUNCTIONAL LOGIC DIAGRAM REACTOR TRIP SIGNALS	5653D74-2 495872
3. FUNCTIONAL LOGIC DIAGRAM NUCLEAR INSTR AND MANUAL TRIP SIGNALS	5653D74-3 495873
4. FUNCTIONAL LOGIC DIAGRAM NUCLEAR INSTR PERMISSIVES AND BLOCKS	5653D74-4 495874
5. FUNCTIONAL LOGIC DIAGRAM PRIMARY COOLANT SYSTEM TRIP SIGNALS	5653D74-5 495875
6. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER TRIP SIGNALS	5653D74-6 495876
7. FUNCTIONAL LOGIC DIAGRAM STEAM GENERATOR TRIP SIGNALS	5653D74-7 495877
8. FUNCTIONAL LOGIC DIAGRAM SAFEGUARDS ACTUATION SIGNALS	5653D74-8 495878
9. FUNCTIONAL LOGIC DIAGRAM ROD CONTROLS AND ROD BLOCKS	5653D74-9 495879
10. FUNCTIONAL LOGIC DIAGRAM STEAM DUMP CONTROL	5653D74-10 495880
11. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER PRESSURE AND LEVEL CONTROL	5653D74-11 495881
12. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER HEATER CONTROL	5653D74-12 495882
13. FUNCTIONAL LOGIC DIAGRAM FEEDWATER CONTROL AND ISOLATION	5653D74-13 495883
14. FUNCTIONAL LOGIC DIAGRAM FEEDWATER CONTROL AND ISOLATION	5653D74-14 495884
15. FUNCTIONAL LOGIC DIAGRAM AUXILIARY FEEDWATER PUMPS STARTUP	5653D74-15 495885
16. FUNCTIONAL LOGIC DIAGRAM TURBINE TRIPS, RUNBACKS & SIGNALS	5653D74-16 495886
17. FUNCTIONAL LOGIC DIAGRAM AMSAC SIGNALS	5653D74-17 495887
18. FUNCTIONAL LOGIC DIAGRAM SEISMIC TRIP	8759D77 495888
19. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS INPUT SIGNAL VALIDATION	5653D74-18 495889
20. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS FW FLOW CONTROLLER & C ₀ DEMAND	5653D74-19 495890
21. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS CONT VC ₀ SEQ & TRACKING LOGIC	5653D74-20 495891
22. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS SIGNAL SELECTOR LOGIC	5653D74-21 495892
23. ATWS MITIGATION SYSTEM ACTUATION (CIRCUITRY (AMSAC))	6008434

REFERENCES	
WE DWG	PG&E DWG
5653D74-1	495871
5653D74-2	495872
5653D74-3	495873
5653D74-4	495874
5653D74-5	495875
5653D74-6	495876
5653D74-7	495877
5653D74-8	495878
5653D74-9	495879
5653D74-10	495880
5653D74-11	495881
5653D74-12	495882
5653D74-13	495883
5653D74-14	495884
5653D74-15	495885
5653D74-16	495886
5653D74-17	495887
8759D77	495888
5653D74-18	495889
5653D74-19	495890
5653D74-20	495891
5653D74-21	495892
6008434	

NUCLEAR SAFETY RELATED

DATE		REVISION DESCRIPTION		UNIT 2		DWG SCALE:	
04-08-2008	FAZI	REVISED PER FCT-33578		I & C		BILL OF MAT'L:	
D.D.	FAZI			FUNCTIONAL LOGIC DIAGRAM		SUPDSB: 663195-17	
R.E.	FxC2			AMSAC SIGNALS		SUPSD BY:	
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