



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

	WE DWG	PG&E DWG
1. FUNCTIONAL LOGIC DIAGRAM INDEX AND SYMBOLS	5653D74-1	495B71
2. FUNCTIONAL LOGIC DIAGRAM REACTOR TRIP SIGNALS	5653D74-2	495B72
3. FUNCTIONAL LOGIC DIAGRAM NUCLEAR INSTR AND MANUAL TRIP SIGNALS	5653D74-3	495B73
4. FUNCTIONAL LOGIC DIAGRAM NUCLEAR INSTR PERMISSIVES AND BLOCKS	5653D74-4	495B74
5. FUNCTIONAL LOGIC DIAGRAM PRIMARY COOLANT SYSTEM TRIP SIGNALS	5653D74-5	495B75
6. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER TRIP SIGNALS	5653D74-6	495B76
7. FUNCTIONAL LOGIC DIAGRAM STEAM GENERATOR TRIP SIGNALS	5653D74-7	495B77
8. FUNCTIONAL LOGIC DIAGRAM SAFEGUARDS ACTUATION SIGNALS	5653D74-8	495B78
9. FUNCTIONAL LOGIC DIAGRAM ROD CONTROLS AND ROD BLOCKS	5653D74-9	495B79
10. FUNCTIONAL LOGIC DIAGRAM STEAM DUMP CONTROL	5653D74-10	495B80
11. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER PRESSURE AND LEVEL CONTROL	5653D74-11	495B81
12. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER HEATER CONTROL	5653D74-12	495B82
13. FUNCTIONAL LOGIC DIAGRAM FEEDWATER CONTROL AND ISOLATION	5653D74-13	495B83
14. FUNCTIONAL LOGIC DIAGRAM FEEDWATER CONTROL AND ISOLATION	5653D74-14	495B84
15. FUNCTIONAL LOGIC DIAGRAM AUXILIARY FEEDWATER PUMPS STARTUP	5653D74-15	495B85
16. FUNCTIONAL LOGIC DIAGRAM TURBINE TRIPS, RUNBACKS & SIGNALS	5653D74-16	495B86
17. FUNCTIONAL LOGIC DIAGRAM AMSAC SIGNALS	5653D74-17	495B87
18. FUNCTIONAL LOGIC DIAGRAM SEISMIC TRIP	8759077	495B88
19. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS INPUT SIGNAL VALIDATION	5653D74-18	495B89
20. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS FW FLOW CONTROLLER & C ₀ DEMAND	5653D74-19	495B90
21. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS VCV SEQ & TRACKING LOGIC	5653D74-20	495B91
22. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS SIGNAL SELECTOR LOGIC	5653D74-21	495B92
23. ATWS MITIGATION SYSTEM ACTUATION CIRCUITRY (AMSAC)		6008434

NUCLEAR SAFETY RELATED

KEY DWG. SECTION 3

UNIT 2

DATE 04-08-2008 D.O. FAZI R.E. Fx2 I.V. P.E. AGB2	REVISION DESCRIPTION REVISED PER FCI-33579	I & C FUNCTIONAL LOGIC DIAGRAM AMSAC SIGNALS	DWG SCALE BILL OF MATERIALS SUPDS01 663196-17 SUPDS BY DRAWING 495887	SHEET 1	REV 0 2
PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA					