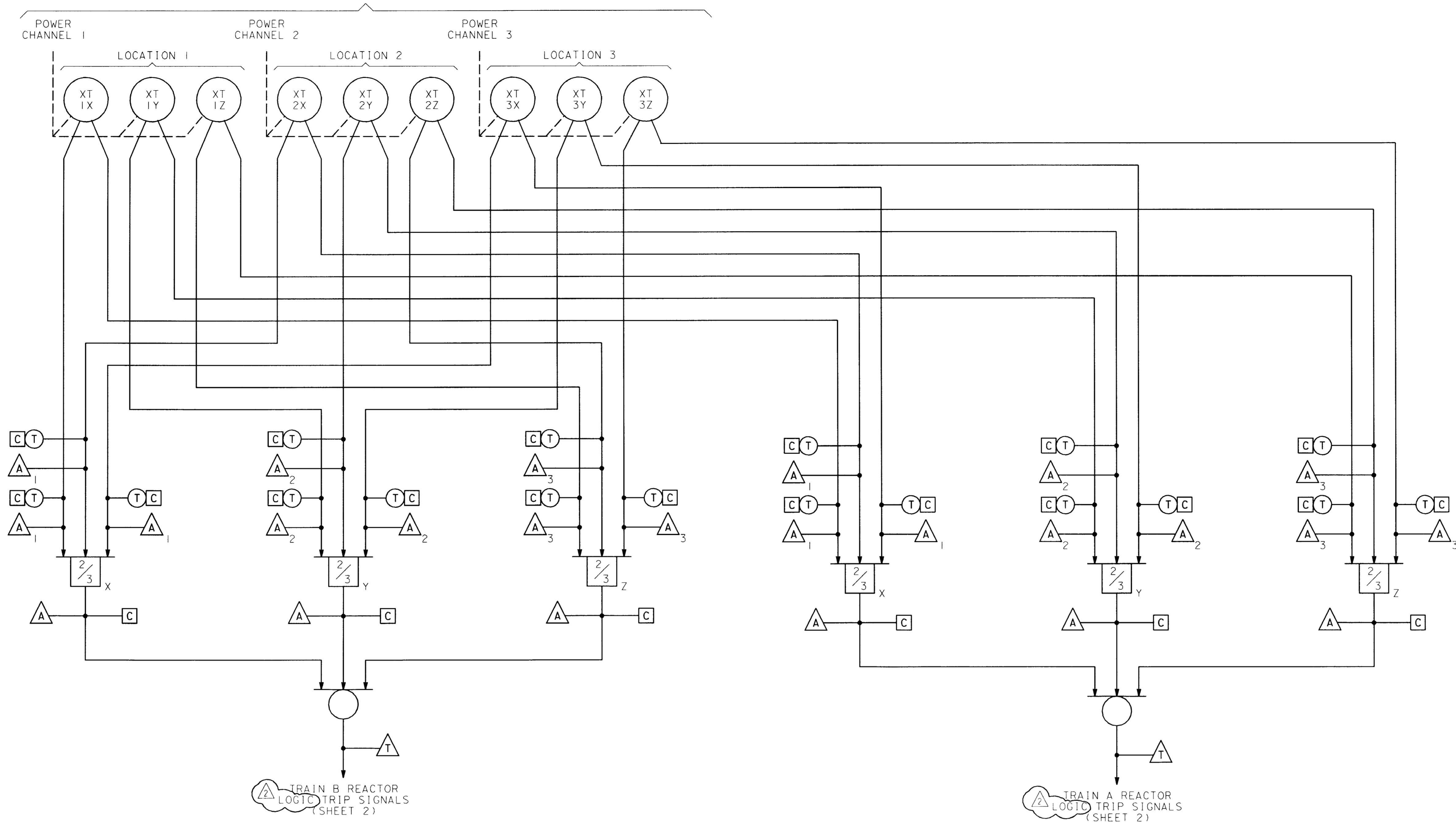


SEISMIC TRIP



NOTES

1. SHEET NUMBERS REFER TO THE REFERENCE NUMBERS BELOW.
2. WHENEVER A PROCESS SIGNAL IS USED FOR CONTROL AND IS DERIVED FROM A PROTECTION CHANNEL, ISOLATION MUST BE PROVIDED.
3. 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	5653074-1	495841
2. FUNCTIONAL LOGIC DIAGRAM REACTOR TRIP SIGNALS	5653074-2	495842
3. FUNCTIONAL LOGIC DIAGRAM NUCLEAR INSTR AND MANUAL TRIP SIGNALS	5653074-3	495843
4. FUNCTIONAL LOGIC DIAGRAM NUCLEAR INSTR PERMISSIVES AND BLOCKS	5653074-4	495844
5. FUNCTIONAL LOGIC DIAGRAM PRIMARY COOLANT SYSTEM TRIP SIGNALS	5653074-5	495845
6. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER TRIP SIGNALS	5653074-6	495846
7. FUNCTIONAL LOGIC DIAGRAM STEAM GENERATOR TRIP SIGNALS	5653074-7	495847
8. FUNCTIONAL LOGIC DIAGRAM SAFEGUARDS ACTUATION SIGNALS	5653074-8	495848
9. FUNCTIONAL LOGIC DIAGRAM ROD CONTROLS AND ROD BLOCKS	5653074-9	495849
10. FUNCTIONAL LOGIC DIAGRAM STEAM DUMP CONTROL	5653074-10	495850
11. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER PRESSURE AND LEVEL CONTROL	5653074-11	495851
12. FUNCTIONAL LOGIC DIAGRAM PRESSURIZER HEATER CONTROL	5653074-12	495852
13. FUNCTIONAL LOGIC DIAGRAM FEEDWATER CONTROL AND ISOLATION	5653074-13	495853
14. FUNCTIONAL LOGIC DIAGRAM FEEDWATER CONTROL AND ISOLATION	5653074-14	495854
15. FUNCTIONAL LOGIC DIAGRAM AUXILIARY FEEDWATER PUMPS STARTUP	5653074-15	495855
16. FUNCTIONAL LOGIC DIAGRAM TURBINE TRIPS, RUNBACKS & SIGNALS	5653074-16	495856
17. FUNCTIONAL LOGIC DIAGRAM AMSAC SIGNALS	5653074-17	495857
18. FUNCTIONAL LOGIC DIAGRAM SEISMIC TRIP	8759077	495858
19. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS INPUT SIGNAL VALIDATION	5653074-18	495859
20. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS FW FLOW CONTROLLER & C <sub>v</sub> DEMAND	5653074-19	495860
21. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS CONT VC <sub>v</sub> SEO & TRACKING LOGIC	5653074-20	495861
22. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS SIGNAL SELECTOR LOGIC	5653074-21	495862
23. FUNCTION DIAGRAM - REACTOR - TURBINE - GENERATOR PROTECTION	500825	437610
24. SCHEMATIC DIAGRAM REACTOR TRIP		437610
25. SCHEMATIC DIAGRAM SEISMIC TRIP		693512-6

NUCLEAR SAFETY RELATED

DWG NO.	514	DWG SUBJECT	SEISMIC TRIP	DRAWING TITLE	SEISMIC TRIP	UNIT NO.	1
PROJECT	DIABLO	INSTALLATION	B	DIVISION	51	MISC	52
DATE	4-50	LOGIC	53	MAN	54	CADD	55
		SOURCE	56				

2 JOHN W. HEFLER  
 REGISTERED ENGINEER  
 SIGNATURE: *John W. Hefler*  
 E9995 9-30-99  
 CA REG. NO. EXP. DATE

KEY DWG--SECTION 3

APPROVED BY	GM 169972
BY	SUPV J. CUENCO
DESIGN	V.A. LIM
CHKD	W. ALBOVITAS
DATE	
SCALE	NONE

UNIT 1  
 FUNCTIONAL LOGIC DIAGRAM  
 SEISMIC TRIP  
 DIABLO CANYON  
 DEPARTMENT OF ENGINEERING  
 PACIFIC GAS AND ELECTRIC COMPANY  
 SAN FRANCISCO, CALIFORNIA

RM INDEXED REV	
COAST VALLEYS DIVISION	
BILL OF MATERIAL	
DWG LIST	
SUPDS 693512-13	
SHEET NO.	495858
SHEETS	2
REV	

NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY	NO.	DATE	DESCRIPTION	GM/SPEC	DWN	CHKD	SUPV	APVD BY
2	7-25-99	REVISED TRAIN A & B REACTOR LOGIC TRIP SIGNALS (WERE SHUNT TRIP SIGNALS) PER FCI-20848	EDB	GM	GM	GM	JW								
1	3-13-99	REDRAWN WITHOUT CHANGE FOR UNIT 1 FROM DWG 693512-13, UNITS 1&2; ADDED SEISMIC TRIP (DCI-EE-43064)	WAA	VAL	JC	SLW	TFP								