

RASTER=495851.s1.dgn
DON-495851.s1.dgn
CAD User:MMRU Date: 07-11-2012

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 _v DEMAND	5653074-19	495860
21. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS CONT VCV SEQ & TRACKING LOGIC	5653074-20	495861
22. FUNCTIONAL LOGIC DIAGRAM DIGITAL FW CONT SYS SIGNAL SELECTOR LOGIC	5653074-21	495862
23. DRAWING INDEX SOLID STATE PROTECTION SYS INTERCONNECTION & SCHEM. DIAGRAM	1080442-1	458862

WE DWG PG&E DWG

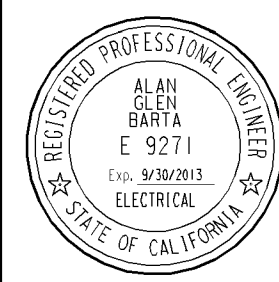
NOTES:

- ALL CIRCUITS ON THIS SHEET ARE NOT REDUNDANT.
- LOCAL CONTROL OVERRIDES ALL OTHER SIGNALS. LOCAL OVERRIDE ACTUATES ALARM IN CONTROL ROOM.
- OPEN/SHUT INDICATION IN CONTROL ROOM.
- SHEET NUMBERS REFER TO THE REFERENCE NUMBERS BELOW.
- WHenever a PROCESS SIGNAL IS USED FOR CONTROL AND DERIVED FROM A PROTECTION CHANNEL, ISOLATION MUST BE PROVIDED.
- THIS ILLUSTRATES THE FUNCTIONAL REQUIREMENTS OF THE REACTOR CONTROL AND PROTECTION SYSTEM. THIS DRAWING DOES NOT REPRESENT ACTUAL HARDWARE IMPLEMENTATION. FOR HARDWARE IMPLEMENTATION, REFER TO APPLICABLE SCHEMATIC.
- CHANNEL SELECT IS A SOFTWARE FUNCTION THAT SELECTS THE 2ND HIGHEST SIGNAL.
- LEVEL CHANNEL SELECT IS A SOFTWARE FUNCTION THAT SELECTS THE MEDIAN CHANNEL.

NUCLEAR SAFETY RELATED

KEY DWG. SECTION 3

DATE	07-11-2012
D.D.	MMRU
R.E.	FXC2
J.V.	
P.E.	AGB2



REVISION DESCRIPTION
REVISED PER DON-2*439-0 AND DFC-3*1590-0

UNIT 1
I & C
FUNCTIONAL LOGIC DIAGRAM
PRESSURIZER PRESSURE & LEVEL CONTROL
DIABLO CANYON POWER PLANT
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

DWG SCALE:	BILL OF MAT'L:
SUPDS:	663195-11
SUPSD BY:	
DRAWING	SHEET
495851	1
	0
	REV
	3

U2-495881