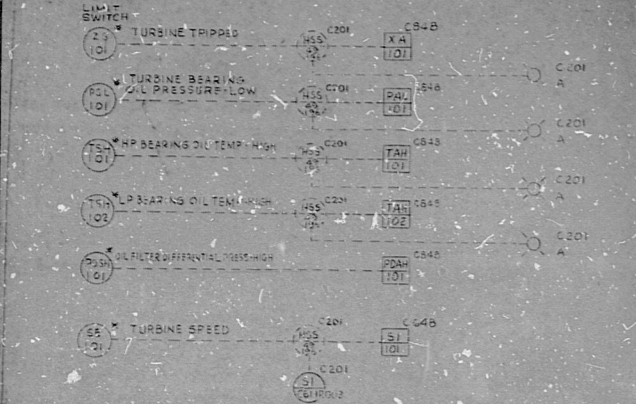


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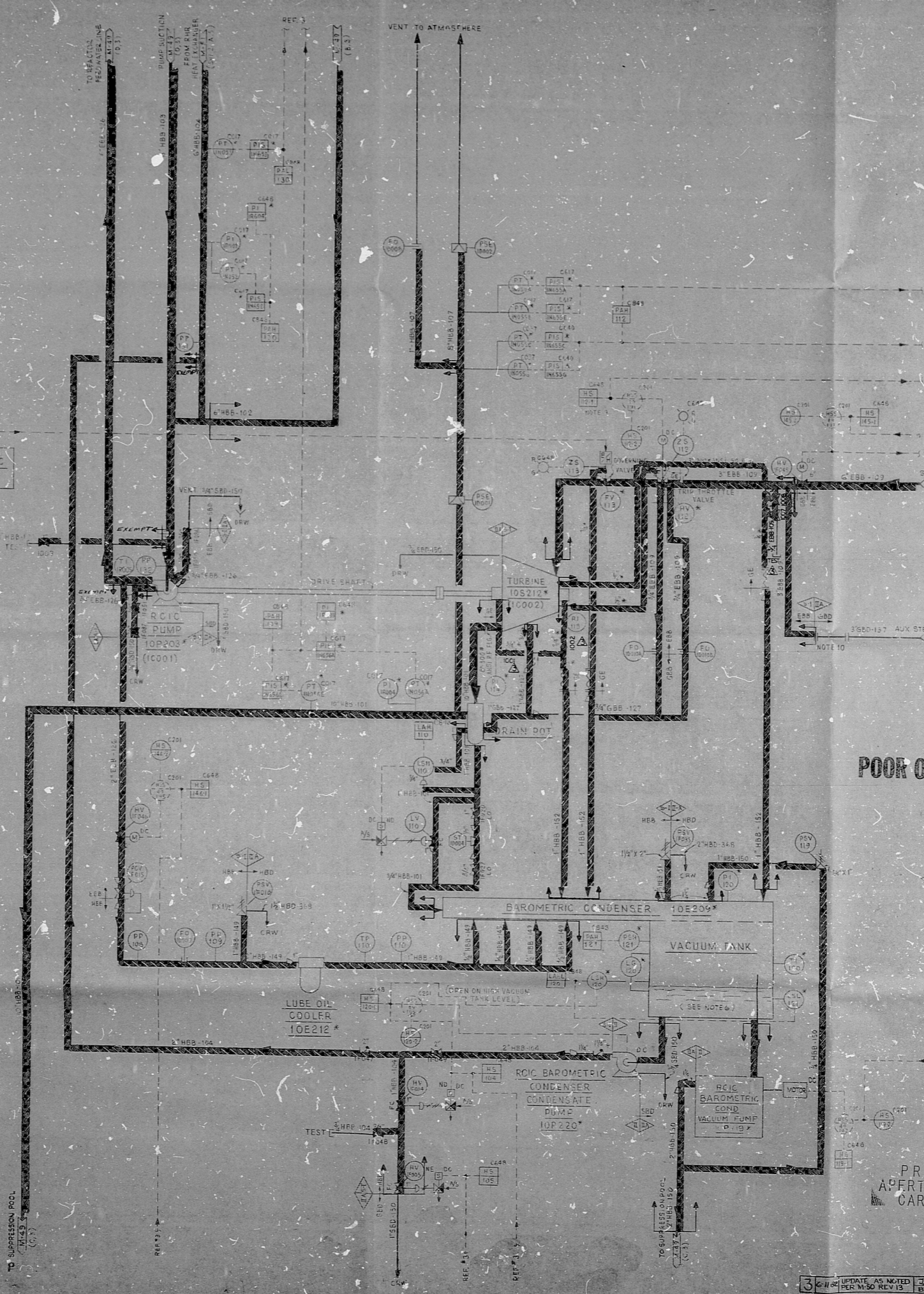
TURBINE SUPERVISORY INSTRUMENTATION ALARMS



TURBINE CONTROL LOGIC REF 2 816

REF	REFERENCE DRAWINGS	BECHTEL No.	GE No.
1	RCIC	M-09	
2	PI&ID LEGEND	M-00	
3	RCIC FUNCTIONAL & TSD DIAGRAM	M-09-1030-F	725622 AD
4	NUCLEAR BOILER	M-01	
5	NUCLEAR REACTOR	M-01-1000-F	761E 597AD
6	RESIDUAL HEAT RECOVERY	M-01	
7	HIGH PRESSURE COOLANT INJECTION	M-01	
8	RCIC TURBINE OUTLINE	M-01-002-C-1	VPR757-57
9	CONDENSATE	M-05	
10	CONDENSATE WATER STORAGE TANK	M-05	
11	MAIN STEAM	M-01	
12	DELETED		
13	LIQUID RADWASTE COLLECTION	M-01	
14	RCIC SYS DESIGN SPECIFICATION	M-01-001-L-1	22A1350
15	RCIC OVERSPEED TRIP	M-01-002-E-1	VPR757-57
16	RCIC TURBINE CONTROL DIAGRAM	M-01-002-E-2	VPR757-57
17	RCIC SYSTEM SKID (D-1)	M-01-001-D-3	761E 230AD
18	PROCESS INSTRUMENTATION SPEC	M-01-001-L	51A-272-C
19	RCIC FUNCTIONAL DESCRIPTION	M-01-001	
20			

- NOTES:
- RCIC IS A CLASS I BEIGMIC SYSTEM EXCEPT AS NOTED
 - SLOPE STEAM LINE DOWN ALL THE WAY FROM MAIN STEAM LINE TO DRAIN POT JUST AHEAD OF TURBINE
 - ALL INSTRUMENT PIPING & TUBING SHALL BE INSTALLED IN ACCORDANCE WITH REFERENCE 10
 - AC POWER FOR RCIC INSTRUMENTS SHALL BE DERIVED FROM A DC SOURCE SEPARATE FROM THAT WHICH SUPPLIES THE RCIC SYSTEM VIA THE UNIT INTERRUPTIBLE AC OR COMPATIBLE DC TO AC CONVERSION SYSTEM
 - PIPING HIGH POINT VENTS & LOW POINT DRAINS TO BE ADDED
 - THE BAROMETRIC CONDENSER AND VACUUM TANK SHALL BE LOCATED SUCH THAT ITS WATER LEVEL IS BELOW THE BOTTOM OF THE TURBINE EXHAUST FLANGE. THE BAROMETRIC CONDENSER IS DESIGNATED SECURITY CLASS II. THE CE MPL NUMBER FOR THIS SYSTEM IS E51.
 - ALL STEAM LINES SHALL BE SLOPED. ALL LIQUID LINES IN THE PRIMARY CONTAINMENT SHALL BE SLOPED WHERE PRACTICAL.
 - REMOVE RESET CAPABLE AFTER ALL TRIP SIGNALS EXCEPT MECHANICAL OVERSPEED TRIP.
 - REMOVE SPOOL PIECE AND REPLACE WITH BLIND FLANGES AFTER INITIAL TESTING.



NUCLEAR ENERGY SERVICES
 DRN BY *[Signature]*
 CKD BY *[Signature]*
 GROUP A
 GROUP B
 GROUP C

POOR ORIGINAL

REVISION Z OF THIS P&ID REQUIRES REVISION OF THE FOLLOWING RELATED DOCUMENTS:

QAD	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	NA <input type="checkbox"/>
FD TEXT	YES <input type="checkbox"/>	NO <input type="checkbox"/>	NA <input type="checkbox"/>
LOGIC DIAGRAM	YES <input type="checkbox"/>	NO <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

ALL PIPING DESIGNATED BY IS ASME SECT. XI
 1WB, 1WC-EXEMPT

THIS ISI IS BASED UPON P&ID 031-M-50 REV. 3

USE THIS DOCUMENT FOR INSERVICE INSPECTION ONLY.
 BACKGROUND MAY NOT BE CORRECT.

2	CLARIFY EXEMPTION NOTATION		
1	UNCORRECTED BECHTEL COMMENTS		
0	INITIAL ISSUE	SEE ABOVE	
NO.	DATE	ISSUES	BY
NONE			
BECHTEL SAN FRANCISCO			
LIMERICK GENERATING STATION UNITS 1 & 2 PHILADELPHIA ELECTRIC COMPANY			
ISI RCIC PUMP TURBINE			
JOB No.	DRAWING No.	REV.	
8031	ISI-M-50	3	
8210040811			

3-11-80 UPDATE AS NOTED PER M50 REV 13
 BY *[Signature]* CHD

PRC APERTURE CARD

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RIDS

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