



- NOTES:**
- 1. INSTRUMENT RACK FOR LOCAL INSTRUMENTATION AND TRANSMITTERS ARE LOCATED IN SHIELDED AREA FOR ACCESS DURING TEST OPERATION.
  - 2. REFER TO BECHTEL PIPING SPECIFICATION M300 FOR PIPING MATERIALS, VALVE CLASSIFICATIONS AND INSTRUMENT PIPING STANDARDS.
  - 3. THE HPCI SYSTEM IS A CLASS 1 SYSTEM EXCEPT AS NOTED.
  - 4. ALL EQUIPMENT AND INSTRUMENTATION ARE SUPPLIED BY GE UNLESS DESIGNATED BY \* (BECHTEL SUPPLIED), ALL PIPING AND VALVING IS SUPPLIED BY BECHTEL UNLESS DESIGNATED BY (GE SUPPLIED).
  - 5. THIS DRAWING INCORPORATES REVISIONS 1, 2 & 3 TO GE-APED DRAWING 728690 SHEET 2.
  - 6. REFER TO VPP-2300-21 FOR DIAGRAM OF VENDOR FURNISHED LUBE OIL PIPING.
  - 7. AO-2301-64 & 65 HAVE DUAL LIGHT INDICATION IN THE CONTROL ROOM.
  - 8. LOCAL CONTROL SWITCH "HS" LOCATED ON ALTERNATE SHUTDOWN PANEL SHALL BE IN "REMOTE" TO OPERATE FROM CONTROL ROOM.
  - 9. FOR OTHER INPUTS TO THE RECORDER SEE DRAWINGS M252 & M253.
  - 10. PERMANENT VIBRATION SENSORS ARE INSTALLED AT VARIOUS LOCATIONS TO ALLOW FOR PERIODIC MONITORING. LOCATIONS ARE SPECIFIED IN PMPs 3.M.1-15.

**SYSTEM INTENDED FUNCTION BOUNDARY**

**COMPONENTS SUBJECT TO AIR**

**HIGH PRESSURE COOLANT INJECTION SYSTEM AIRM-05**

FUNCTIONAL CONTROL DIAGRAM HIGH PRESSURE COOLANT INJECTION SYS SHEET 3		M1424-4	E22	REVISED FOR PR 98.2468 PER DON 04645	CTIS	AEJ	DLJ	SCALE	NONE	DESIGNED	GE/BECHTEL	DRAWN	B. MALHOTR	E
FUNCTIONAL CONTROL DIAGRAM HIGH PRESSURE COOLANT INJECTION SYS SHEET 2		M1423-4	E21	REVISED FOR PR 97.3587.01 PER DON 02876	TPW	DMM	DLJ	TPW	DMM	DLJ				
FUNCTIONAL CONTROL DIAGRAM HIGH PRESSURE COOLANT INJECTION SYS SHEET 1		M1422-5	E20	REVISED FOR PR 93.03-52	CTIS	SMP	DLJ	CTIS	SMP	DLJ				
HPCI SYSTEM		M243	E29	REVISED FOR PR 00.0549.02 PER DON 11535	CTIS	AEJ	DLJ	CTIS	AEJ	DLJ				
TITLE OF REFERENCE DRAWINGS		M243	E29	REVISED FOR PR 00.0549.02 PER DON 11535	CTIS	AEJ	DLJ	CTIS	AEJ	DLJ				
DATE					BY	CHK	APP	Non	Q					
P & ID HPCI SYSTEM														
DRAWING NO.														
REV														
M244 SH 1 E30														

0	6-9-05													
NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP								
REVISIONS														
LRA-M-244-SH-01-0														
LRA-M-244-SH-01-E30.DGN														
M244SHI-CALS_E30.CAL														