



- # NOTES:
1. PRIMING HIGH POINT VENTS AND LOW POINT DRAINS ARE TO BE ADDED BY BECHTEL AT ALL SUCH HIGH POINTS OR LOW POINTS NOT SERVED BY EQUIPMENT VENTS AND DRAINS.
 2. CHEMICAL CLEANING CONNECTIONS, VALVES ETC. IF REQUIRED, ARE TO BE PROVIDED BY BECHTEL AS NECESSARY.
 3. WHERE THERMOCOUPLES ARE DESIGNATED TE-A1, A2, TE-A1, A2 IS A SPARE.
 4. FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS, SEE BECO INSTRUMENT LIST M260-1.
 5. ALL PIPING AND VALVING IS PROVIDED BY BECHTEL OR BECO UNLESS DESIGNATED BY @ (E.G.-A/ SUPPLIED)
 6. INSTRUMENTS (INSTRUMENT PRIMING AND INSTRUMENT VALVING BEYOND THE ROOT VALVES SHALL BE INSTALLED IN ACCORDANCE WITH 221A/27A/B, DESIGN SPECIFICATION PROCESS INSTRUMENT PIPING AND TUBING INSTALLATION.
 7. THIS DRAWING INCORPORATES REVISIONS 1,2,3, & 4 TO E.I.C. DRAWING NO. 17/22225.
 8. THE UNNUMBERED INSTRUMENTS ARE FURNISHED WITH THE RECIRCULATION PUMP AND MOTOR.
 9. THERMOCOUPLES A-1/J11 & 13 ARE TO BE WIRED OUT THROUGH DRYBELL TO 1/C JUNCTION BOX.
 10. CLOSED COOLING WATER SYSTEM TO AND FROM RECIRCULATION PUMP AND MOTOR SHALL BE CAPABLE OF CONTINUOUS OPERATION INCLUDING PERIODS OF DRYBELL ISOLATION.
 11. REFER TO PIPING SPECIFICATION M500 & M600 FOR PIPING MATERIALS, VALVE CLASSIFICATIONS AND INSTRUMENT PIPING STANDARDS.
 12. REFER TO PMS Q-1 LIST TO IDENTIFY THE Q AND NON-Q COMPONENTS OF THE PUMP MECHANICAL SEAL.

LIST OF PUMP & MOTOR THERMOCOUPLES & ASSOCIATED COMPUTER POINTS			
TE-A1A2	- THRUST BEARING,UPPER FACE	REC 118	
TE-202-1A	TE-B1,B2	- THRUST BEARING,LOWER FACE	
TE-202-1A	TE-C1,C2	- UPPER GUIDE BEARING	
TE-202-1A	TE-D1,D2	- MOTOR WINDING "A"	
TE-202-1A	TE-E1,E2	- MOTOR WINDING "B"	
	TE-F1,F2	- MOTOR WINDING "C"	REC 080
TE-202-1A	TE-G1,G2	- LOWER GUIDE BEARING	
	TE-H	- #2 SEAL CAVITY	REC 124
	TE-J	- #1 SEAL CAVITY	REC 122
TE-262-2-11A - MOTOR BEARING OIL COOLING WATER			
TE-262-2-13A - SEAL CAVITY COOLING WATER			
TE-5050-28 - MOTOR AIR OUTLET			
TE-G1A	- DRIVE MOTOR OUTBOARD BRG TEMP	REC 088	
TE-G2A	- DRIVE MOTOR INBOARD BRG TEMP	REC 092	
TE-J1A	- GENERATOR OUTBOARD BRG TEMP	REC 096	
TE-J2A	- GENERATOR INBOARD BRG TEMP	REC 100	
TE-1A	- FLUID DRIVE IMP OUTBOARD BRG TEMP	REC 104	
TE-1B	- FLUID DRIVE IMP INBOARD BRG TEMP	REC 105	
TE-1C	- FLUID DRIVE RUNNER INBOARD BRG TEMP	REC 108	
TE-1D	- FLUID DRIVE RUNNER OUTBOARD BRG TEMP	REC 106	
TE-H2	- GENERATOR WINDING TEMP "A" PHASE	REC 084	

  SYSTEM INTENDED
FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

PRIMARY CONTAINMENT
PENETRATIONS AMRM-20

0	8-16-05					
NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-M-251-SH-01-0						
CAD FILE						
LRA-M-251-SH-01_E16.DGN						
PASTER FILE						
M251SH1-CALS_E16.CAL						