



- NOTES:**
1. ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY Q1E32 UNLESS OTHERWISE NOTED.
 2. ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY IE32 UNLESS OTHERWISE NOTED.
 3. THE OUTBOARD MSIV-LCS IS REDRAWN FROM G.E. PAID 762259 MSIV LEAKAGE CONTROL SYSTEM. THE INBOARD MSIV-LCS IS MODIFIED AND SHOWN ACCORDING TO DEP. 88/0249.
 4. ALL PIPING 2" AND SMALLER IS CLASSIFIED AS III-"B", II-"C" OR I-"E" RADIATION LEVELS.
 5. THESE FLOW TEST POINTS ARE FLAGGED ENDS ON DILUTION LINES TO ALLOW CONNECTION OF A FLOW MEASURING DEVICE (ROTAMETER) DURING SYSTEM PREP. & SUBSEQUENT SURVEILLANCE TESTING.
 6. A 24" LONG SPOOL PIECE IS NECESSARY TO ALLOW CONNECTION OF A FLOW MEASURING DEVICE (ROTAMETER) DURING SYSTEM PREP. & SUBSEQUENT SURVEILLANCE TESTING.
 7. THE DILUTION AIR FLOW TO LEAKAGE FLOW RATIO SHALL NOT BE LESS THAN 5:1. THE VALVE SHALL BE THROTTLED TO SATISFY THE FLOW REQUIREMENTS AND THEN SHALL BE LOCKED IN THAT POSITION.
 8. FLOW ELEMENTS FE-N005A, E, J, N, P01-N054 AND INBOARD EXHAUST BLOWER, E32-C001A ARE NOT FUNCTIONAL, BUT ARE REQUIRED TO REMAIN IN PLACE FOR SEISMIC CONSIDERATIONS.
 9. HEATERS BO01A, E, J, N, & TEMPERATURE ELEMENTS TE-N005A, E, J, & N ARE NOT FUNCTIONAL, BUT ARE REQUIRED TO REMAIN IN PLACE FOR SEISMIC CONSIDERATIONS.
 10. THE FOLLOWING PIPING LINES ARE NOT REQUIRED TO PERFORM INBOARD MSIV-LCS FUNCTION, BUT ARE REQUIRED TO REMAIN IN PLACE FOR SEISMIC CONSIDERATIONS.

- COMPONENTS SUBJECT TO AMR**
- █ REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMM03
 - █ LEAKAGE DETECTION AND CONTROL SYSTEM AMM19
 - █ NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20

016	AS-BUILT PER DCP 88/0249	W	W	N/A	N/A	11-28-96
015	AS-BUILT PER DRN #548	LS	SIGN-OFF	ON RECORD		

GRAND GULF NUCLEAR STATION
 UNIT 1
 NUCLEAR PLANT ENGINEERING

UPDATED FINAL SAFETY ANALYSIS REPORT
 FIGURE NUMBER 6.7-001

P & I DIAGRAM
 MAIN STEAM ISOLATION VALVE LEAKAGE CONTROL SYSTEM

SCALE: NONE DRAWING No. M-1097 REV. 016
 HYBRID DFN: m1097.dgn

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-M-1097						
CDR FILE: m1097.DGN INTERFILE:						

1048