



REV	DATE	BY	CHKD	REVISIONS
1	10/25/84	MA WHITE	RA 232	ISSUED FOR CONSTRUCTION
2	11/17/84	MA WHITE	RA 232	REVISIONS TO INSTRUMENTATION

- NOTES:
- INSTRUMENT LINE DESIGN VALUING AND CONTAINMENT ISOLATION OF INSTRUMENT LINES MUST COMPLY WITH INSTRUMENT PIPING STANDARDS SEE SUPPL. DOC 3.
  - (A) INPUT SIGNALS TO THE DISPLAY CONTROL SYSTEM AND OTHER PIPING DETAILS AS WELL AS VALVE CHARACTERISTICS, MAY BE REQUIRED IN ORDER TO COMPLY WITH 10 CFR 50 APPENDIX J TYPE C LEAK RATE TESTING REQUIREMENTS.
  - FOR VALVE STEM LEAKOFF DETAIL, SEE SUPPL. DOC 2.
  - ADDITIONAL TEST CONNECTIONS, BARRIERS, DRAINS, VENTS, AND OTHER PIPING DETAILS AS WELL AS VALVE CHARACTERISTICS, MAY BE REQUIRED IN ORDER TO COMPLY WITH 10 CFR 50 APPENDIX J TYPE C LEAK RATE TESTING REQUIREMENTS.
  - FOR VALVE AND PIPING ARRANGEMENT REQUIREMENTS, SEE SUPPL. DOC 10.
  - REMOTE RESET CAPABLE AFTER ALL TRIP SIGNALS EXCEPT MECHANICAL OR FIELD TRIP.
  - FOR ELBOW TAP INSTALLATION SEE SUPPL. DOC 3.
  - ALL VENT DRAINS AND TEST CONNECTIONS ARE 3/4" UNLESS OTHERWISE NOTED.
  - CONTAINMENT ISOLATION VALVES SHALL BE LOCATED AS CLOSE TO THE CONTAINMENT AS PRACTICABLE.
  - ALL INSTRUMENTATION TO BE FROM DC BATTERIES. AC INSTRUMENTATION REQUIREMENTS MAY BE SATISFIED BY A DC TO AC INVERTER FROM THE DC BATTERY.
  - ALL MOTOR OPERATED VALVES, SOLENOIDS, AND PUMP MOTORS ARE DC UNLESS OTHERWISE NOTED.
  - FISHING CONNECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH SUPPL. DOC 4. TEMPORARY STRAINER SCREENS SHALL BE PROVIDED ON THE SUCTION SIDE OF ALL PUMPS IN ACCORDANCE WITH SUPPL. DOC 4.
  - FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS, SEE ROC SYSTEM DATA SHEET.
  - PIPING CONNECTED TO VESSEL HEAD SHALL BE FLANGED TO FACILITATE VESSEL HEAD REMOVAL IF IT IS THE PIPE DESIGNER'S OPTION AS TO WHETHER THE CHECK VALVE IS WITHIN THE SPOOL PIECE.
  - DELETED.
  - PART ESI-0001 EXTEND FROM MAIN STEAM LINE TO FIRST ANCHOR POINT OUTSIDE CONTAINMENT DESIGNATED.
  - THE LEVEL TRANSMITTERS ESI-1036/446 SHALL BE LOCATED BETWEEN THE CONTAINMENT AND THE DRYWELL.
  - QUAND PIPE REQUIRED BETWEEN DRYWELL AND SHIELD BUILDING OF CONTAINMENT TYPE 3 IN SHIELD BUILDING.
  - IN THE EVENT OF CONTROL ROOM EVACUATION, THE REMOTE SHUTDOWN SYSTEM (RSS) PROVIDES THE CAPABILITY FOR DIRECT MANUAL CONTROL OF THIS COMPONENT OF THE ROC SYSTEM (SEE SUPPL. DOC 11).
  - CONDENSATE STORAGE TANK LEVEL INSTRUMENTATION TO BE LOCATED INSIDE SEISMIC CATEGORY 1 PIPING TUNNEL.
  - CUSTOMER-AE SHALL DESIGN AND FURNISH THE CONTROLS REQUIRED FOR THIS TESTABLE CHECK VALVE SIMILAR TO VALVE ESI-F087.

SUPPLEMENTAL DOCUMENTS UNDER THE FOLLOWING IDENTITIES ARE TO BE USED IN CONJUNCTION WITH THIS DRAWING.

IDENTITY	REFERENCE
1. NUCLEAR BARRIER SYSTEM (P&ID)	B21-1010
2. LEAK DETECTION SYSTEM (P&ID)	E31-1010
3. PROCESS INSTRUMENTATION SPECIFICATION	A62-4100
4. CLEANING OF PIPING AND EQUIPMENT	A62-4140
5. MECHANICAL EQUIPMENT SEPARATION	A62-4350
6. RHR SYSTEM (P&ID)	E12-1010
7. PIPING AND INSTRUMENT SYMBOLS	A42-1010
8. PRESSURE INTEGRITY OF NUCLEAR COMPONENTS	A62-4030
9. ROC SYS LOGIC DIAGRAM	E51-1030
10. ROC SYS DESIGN SPEC	E51-4010
11. REMOTE SHUTDOWN SYSTEM DESIGN SPECIFICATION	C61-1010
12. EMERGENCY RESPONSE INFORMATION SYSTEM (ERIS) APPLICATION DATA SPEC	CR5-4020

LEGEND:

▲ EMERGENCY RESPONSE INFORMATION SYSTEM POINT IDENTIFICATION

MPL NO. ESI-1010

SIGNATURE	DATE	REVISION
MA WHITE	10/25/84	1
MA WHITE	11/17/84	2

GENERAL ELECTRIC

REACTOR CORE ISOLATION COOLING SYSTEM

796E726

8412730069

PDR RIDS

