

- NOTES:
1. THE EQUIPMENT SHOWN IN THIS DRAWING IS PREFIXED BY DIE21.
 2. DELETED.
 3. ACTUAL NUMBER AND LOCATION OF HIGH POINT VENTS AND LOW POINT DRAINS WILL BE SHOWN AFTER FINALIZATION OF PIPE ROUTING.
 4. THIS P & I REDRAWN FROM G.E.P & ID NO.105049688A-REV-2 LOW PRESSURE CORE SPRAY SYSTEM.
 5. ALL INSTRUMENTS SHOWN ON THIS DRAWING ARE PREFIXED BY IE21 UNLESS OTHERWISE NOTED.
 6. ALLOW ADEQUATE PIPING SURFACE AREA FOR COOLING OF PUMP C002.
 7. VALVES F006, F006, AND F007 ARE 600LB. CARBON STEEL, CLASS 1 VALVES (E84).
 8. ALL PIPING 2" AND SMALLER IS CLASSIFIED AS III-"B" RADIATION LEVEL UNLESS OTHERWISE NOTED.
 9. BLIND PORTION OF SPECTACLE FLANGE SHALL BE INSTALLED ONLY DURING PLANT OPERATION.
 10. ALL START-UP STRAINERS HAVE BEEN REPLACED BY RING SPACERS IN ACCORDANCE WITH THE LATEST REVISION OF '8645-MS-03 GENERAL NOTE 17.
 11. FOR PENETRATION MATERIAL & DETAILS SEE DRAWING 9645-C-1004.
 12. VALVE PSV031 SHALL BE INSTALLED ABOUT THE SUPPRESSION POOL WATER LEVEL ELEVATION OF 111'-10".
 13. ROUTE TO THE NEAREST PLATFORM AND LOCATE VALVES SUCH THAT AN OPERATOR CAN REACH THE VALVES FROM THE PLATFORM. LOCATE OPEN FUNNEL SUCH THAT THE OPERATOR CAN SEE INTO THE FUNNEL FROM THE VALVE LOCATION.
 14. TESTABLE FLANGES WITH DOUBLE O-RINGS SHALL BE PROVIDED. INST. TAPS SHALL BE IN ACCORD. WITH SKM-20548.
 15. SEE MNCR 93-0018
 16. FIRE HOSE CONNECTION INSTALLED FOR USE AS REACTOR VESSEL MAKEUP FROM P64 SYSTEM DURING ACCIDENT CONDITION.
 17. THIS LINE WAS CHANGED OUT TO STAINLESS STEEL PIPING MATERIALS PER ER-GG-2003-0348-0008-B.

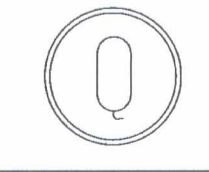
- COMPONENTS SUBJECT TO AMR
- REACTOR VESSEL AMM01
 - REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMM03
 - LOW PRESSURE CORE SPRAY SYSTEM AMM05
 - SUPPRESSION POOL MAKEUP SYSTEM AMM11
 - NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20
 - FUEL POOL COOLING AND CLEANUP SYSTEM AMM21
 - CONDENSATE AND REFUELING WATER STORAGE AND TRANSFER SYSTEM AMM23

AS-BUILT PER. ER-GG-2003-0348-0008-ERCN.001	WE	N/A	N/A	SP	5-18
032					04
AS-BUILT PER. DRN. 7342	SIGN-OFF ON RECORD				
031					

GRAND GULF NUCLEAR STATION
 UNIT 1
 NUCLEAR PLANT ENGINEERING

UPDATED FINAL SAFETY ANALYSIS REPORT
 FIGURE NUMBER - 6.3-004

P & I DIAGRAM
 LOW PRESSURE CORE SPRAY SYSTEM



SCALE:	DRAWING No.	REV.
NONE	M-1087	032

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-M-1087						
CAD FILE: m1087.DGN						
MASTER FILE:						

D081