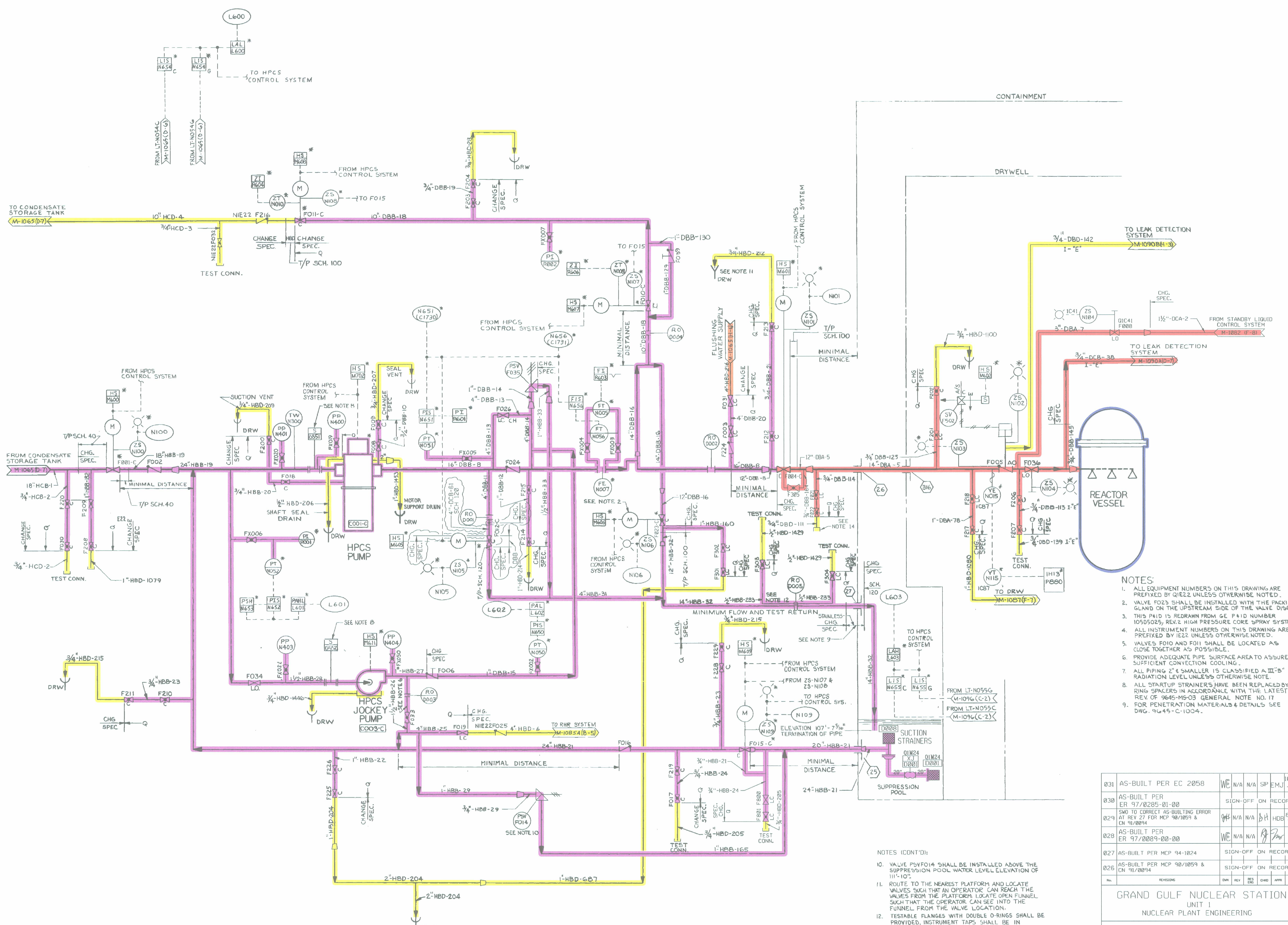
MPL No. 1E221015M	M-1086



NOTES:

1. ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY Q1E22 UNLESS OTHERWISE NOTED.
2. VALVE F023 SHALL BE INSTALLED WITH THE PACKING GLAND ON THE UPSTREAM SIDE OF THE VALVE DISC.
3. THIS P&ID IS REDRAWN FROM GE P&ID NUMBER 105D5025, REV.2 HIGH PRESSURE CORE SPRAY SYSTEM.
4. ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY 1E22 UNLESS OTHERWISE NOTED.
5. VALVES F010 AND F011 SHALL BE LOCATED AS CLOSE TOGETHER AS POSSIBLE.
6. PROVIDE ADEQUATE PIPE SURFACE AREA TO ASSURE SUFFICIENT CONVECTION COOLING.
7. ALL PIPING 2" & SMALLER IS CLASSIFIED A III-"B" RADIATION LEVEL UNLESS OTHERWISE NOTE.
8. ALL STARTUP STRAINERS HAVE BEEN REPLACED BY RING SPACERS IN ACCORDANCE WITH THE LATEST REV. OF 9645-MS-03 GENERAL NOTE NO. 17
9. FOR PENETRATION MATERIALS & DETAILS SEE DWG. 9645-C-1004.

NOTES (CONT'D):

10. VALVE PSVF014 SHALL BE INSTALLED ABOVE THE SUPPRESSION POOL WATER LEVEL ELEVATION OF 111'-10".
11. 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.
12. TESTABLE FLANGES WITH DOUBLE O-RINGS SHALL BE PROVIDED. INSTRUMENT TAPS SHALL BE IN ACCORDANCE WITH SKM-2050.
13. UNLESS SHOWN OTHERWISE, VENT AND DRAIN CONNECTIONS ON VALVE BODIES SHALL BE CAPPED. PIPE STUB (6" MIN.) WITH WELDED CAP SHALL BE USED
14. FIRE HOSE CONNECTION INSTALLED FOR USE AS A REACTOR VESSEL MAKEUP FROM P64 SYSTEM DURING ACCIDENT CONDITION.

No.	REVISIONS	DWN	REV	RES ENG	CHKD	APPR	DATE
031	AS-BUILT PER EC 2058	WE	N/A	N/A	SP	EMJ	10-21-08
030	AS-BUILT PER ER 97/0285-01-00	SIGN-OFF ON RECORD					
029	SWO TO CORRECT AS-BUILTING ERROR AT REV 27 FOR MCP 90/1059 & CN 91/0094	[illegible]	N/A	N/A	BH	HDB	8-29-02
028	AS-BUILT PER ER 97/0089-00-00	WE	N/A	N/A	[illegible]	[illegible]	5-8-98
027	AS-BUILT PER MCP 94-1024	SIGN-OFF ON RECORD					
026	AS-BUILT PER MCP 90/1059 & CN 91/0094	SIGN-OFF ON RECORD					

GRAND GULF NUCLEAR STATION
UNIT 1
NUCLEAR PLANT ENGINEERING

UPDATED FINAL SAFETY ANALYSIS REPORT
FIGURE NUMBER – 06.3–001

P & I DIAGRAM
HIGH PRESSURE CORE SPRAY SYSTEM UNIT 1

MPL No. 1E221015M | SCALE: NONE | DRAWING No. M-1086 | REV. 031

HYBRID DFN: m1086.dgn

COMPONENTS SUBJECT TO AMR

- REACTOR PRESSURE VESSEL AMM01
- REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMM03
- NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20
- CONDENSATE AND REFUELING WATER STORAGE AND TRANSFER SYSTEM AMM23
- HIGH PRESSURE CORE SPRAY SYSTEM AMM26

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	10-13-2011	.	.	.	.	.

REVISIONS

LRA-M-1086

CAD FILE m1086.DGN

RASTER FILE

D030