



- NOTES:
- FOR ADDITIONAL NOTES SEE DWG. NO. M-1081A.
  - ALL VENDOR SUPPLIED PIPING ON THIS DRAWING WILL BE BY SUBCONTRACTOR UNLESS OTHERWISE NOTED.
  - ALL PIPING 2" AND SMALLER IS CLASSIFIED AS III-"B", III-"B" OR II-"C" RADIATION LEVEL.
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  - FOR DRAINING HCU'S TO CRW DRAIN HUBS, FLEXIBLE HOSE SHALL BE PROVIDED FOR EACH BANK OF HCU'S (4 TOTAL REQUIRED).
  - THERE ARE TWO NITROGEN CHARGING CART ASSEMBLIES.
  - VENT VALVE PROVIDED WITH QUICK DISCONNECT ON DISCHARGE PORT. DISCONNECT IS NON-ROCK AND NON-D LISTED. DISCONNECT MAY BE REMOVED AT OPERATORS DISCRETION.
  - SOLENOID VALVE IS IDENTIFIED ON HCU (BY STAMPING) AND IN VENDOR DOCUMENTS BY THE GE NUMBER, i.e. 120, 121, 122, 123, 139.
  - ONLY CURRENT SWITCHES FOR THE 1" COIL OF THE SCRAM PILOT SOLENOIDS ASSOCIATED WITH 04-21, 04-45, 28-05 & 28-61 ALONG WITH THE CURRENT SWITCHES FOR THE "B" COIL OF THE SCRAM PILOT SOLENOIDS ASSOCIATED WITH HCU'S 12-13, 12-53, 28-05 & 28-61 ARE UTILIZED.

NO.	REV	DATE	BY	CHK	APP	DATE
028	AS-BUILT PER EC-4490		WE	N/A	N/A	MM 0-12-08
027	AS-BUILT PER EC1471		WE	ON	FILE	
026	AS-BUILT PER DRN 07-58		SD	N/A	N/A	WE 5-1-2007
025	AS-BUILT PER 7189		WE	SIGN-OFF	ON RECORD	

GRAND GULF NUCLEAR STATION  
 UNIT 1  
 NUCLEAR PLANT ENGINEERING  
**UPDATED FINAL SAFETY ANALYSIS REPORT**  
 FIGURE NUMBER - 4.6-008-01  
 P & I DIAGRAM  
 CONTROL ROD DRIVE HYDRAULIC SYSTEM

SCALE: NONE  
 DRAWING No. M-1081B  
 REV. 028

DFN: m1081b.dgn

- COMPONENTS SUBJECT TO AMR
- REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMMOS
  - NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20
  - CONTROL ROD DRIVE SYSTEM AMM25

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
<b>LRA-M-1081B</b>						
m1081b.dgn						

0021