



**NOTES:**

1. ALL COMPONENT MARK NUMBERS PREFIXED 23 UNLESS OTHERWISE NOTED.
2. ALL MANUAL VALVES PREFIXED HPI UNLESS OTHERWISE NOTED.
3. ALL INSTRUMENTATION POWERED FROM STATION BATTERY VIA VITAL AC SYSTEM.
4. LOGIC DIAGRAM DWG. NO. LSK-25-12 BASED ON G.E. FUNCTIONAL CONTROL DIAGRAM NO. 729F589 SH. 1, 2 & 3 S & W PRINT FILE NO'S 16.23-24, 25 & 26.
5. ALL I/LRT CONNECTIONS (D) ARE PIPING CLASS IC-N8 BEGINNING AT THE DOWNSTREAM SIDE OF THE REDUCER TO THE 3/8" I/LRT CONNECTION.
6. ALL I/LRT CONNECTIONS (D) INSIDE THE DRYWELL ARE PIPING CLASS IC-N9. (THE CLASS BREAK FOR THE MOV-15 I/LRT CONNECTION BEGINS ON THE UPSTREAM SIDE OF VALVE 794).
7. ALL PIPING AND COMPONENTS INTO AND OUT OF THE SHELL SIDE OF THE GLAND SEAL CONDENSER (23E-1) IS GA 11/111 UNLESS OTHERWISE NOTED.
8. CONE STRAINER IS TO BE INSTALLED DURING HPCI TURBINE OVERSPEED TEST ONLY. CONE STRAINER IS REMOVED DURING NORMAL PLANT OPERATION.

**REFERENCE DWGS:**

1. FLOW DIAGRAM SYMBOLS FM-14A.
2. G. E. P & ID 729E2618B-SH. 1 & 2 S & W PRINT FILE NOS. 16.23-34 & 35.
3. LOGIC DIAGRAM LSK-25-12.

**SYSTEM INTENDED FUNCTION BOUNDARY**

**COMPONENTS SUBJECT TO AMR**

- HIGH PRESSURE COOLANT INJECTION SYSTEM AMM-05
- CONDENSATE STORAGE AMM-18
- REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMM-33

QA CAT. 1, II/III  
 NUCLEAR SAFETY RELATED  
**JAMES A. FITZPATRICK**  
 NUCLEAR POWER PLANT

FLOW DIAGRAM  
 HIGH PRESSURE COOLANT  
 INJECTION  
 SYSTEM 23

REV	NO.	DESCRIPTION	DATE	BY	CHK	APP
66	INCORPORATED DRN-03-01806 MOD NO JD-01-020		2/25/05	KMB/RVB/JME		
67	12/18/02	AS BUILT PER DCR-02-288		KMB/JB	-	KH/JA
66	4/16/02	AS BUILT PER DCR-02-079		KMB/JB	-	KH/JME
65	3/16/02	AS BUILT PER DCR-02-026		DMC/JB	-	KH/SKK

SCALE: NONE  
 DWG NO: FM-25A  
 SHEET OF: 68  
 REF: ISI-FM-25A

**Entergy**  
 Nuclear Northeast

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
0	3-15-06					

**LRA-FM-25A-0**

CAD FILE: LRA-FM-25A\_68.DGN  
 SHEET OF: 68  
 REF: ISI-FM-25A