



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 NOS. 16.23-24, 25 & 26.
5. ALL ILRT CONNECTIONS (X) ARE PIPING CLASS IC-N8 BEGINNING AT THE DOWNSTREAM SIDE OF THE REDUCER TO THE 3/8" ILRT CONNECTION.
6. ALL ILRT CONNECTIONS (X) INSIDE THE DRYWELL ARE PIPING CLASS IC-N9. (THE CLASS BREAK FOR THE MOV-15 ILRT 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/III 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 729F589 SH. 1 & 2. S & W PRINT FILE NOS. 16.23-24 & 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. I, II/III

NUCLEAR SAFETY RELATED

JAMES A. FITZPATRICK

NUCLEAR POWER PLANT

FLOW DIAGRAM

HIGH PRESSURE COOLANT

INJECTION

SYSTEM 23

SCALE NONE

DWG NO. FM-25A

REV 68

REF: ISI-FM-25A

DATE 12/18/02

CHK'D 4/25/02

R.E. 6/3/02

VERIF. 6/3/02

APPROV. 6/3/02

DATE 6/3/02

68 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 - KM JA

66 4/25/02 AS BUILT PER DCR-02-079 KMB JB - MM JME

65 6/3/02 AS BUILT PER DCR-02-026 DMC JB - KM SKK

REV NO DATE DESCRIPTION REVISIONS DWN CHK RE VY APP

Entergy Nuclear Northeast

0 3-15-06

NO. DATE DESCRIPTION BY ENG CHK APP

REVISIONS

LRA-FM-25A-0

FILE LRA-FM-25A.68.DGN

FILE FM-25A.68.CAL