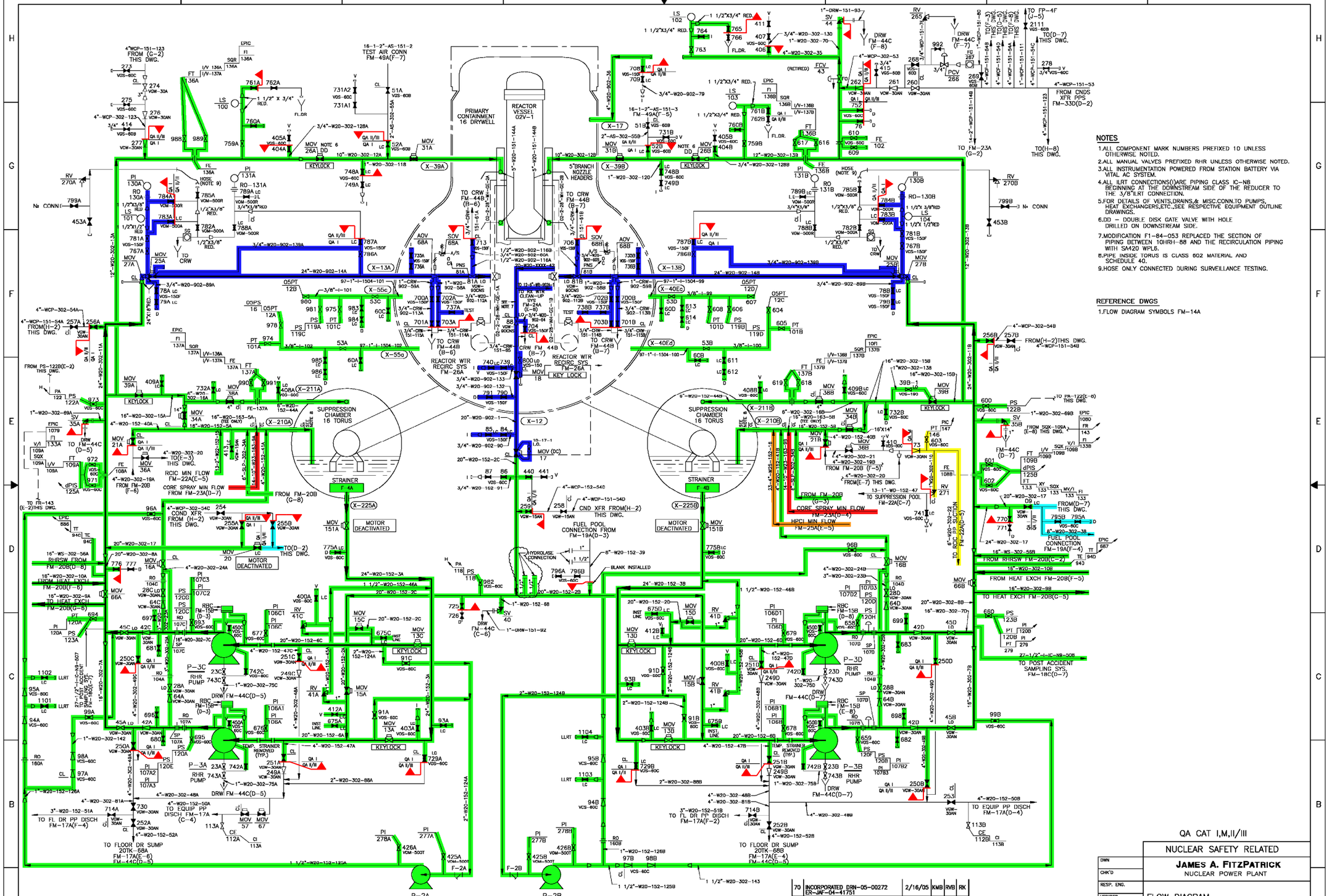


## NOTES

1. ALL COMPONENT MARK NUMBERS PREFIXED 1D UNLESS OTHERWISE NOTED.
2. ALL MANUAL VALVES PREFIXED RHR UNLESS OTHERWISE NOTED.
3. ALL INSTRUMENTATION POWERED FROM STATION BATTERY VIA VITAL AC SYSTEM.
4. ALL ILRT CONNECTIONS(I)ARE PIPING CLASS IC-N8 BEGINNING AT THE DOWNSTREAM SIDE OF THE REDUCER TO THE 3/8"ILRT CONNECTION.
5. FOR DETAILS OF VENTS,DRAINS,& MISC.CONN.TO PUMPS, HEAT EXCHANGERS,ETC.,SEE RESPECTIVE EQUIPMENT OUTLINE DRAWINGS.
6. DD – DOUBLE DISK GATE VALVE WITH HOLE DRILLED ON DOWNSTREAM SIDE.
7. MODIFICATION F1-84-053 REPLACED THE SECTION OF PIPING BETWEEN 10HRH-88 AND THE RECIRCULATION PIPING WITH SA420 WPL6.
8. PIPE INSIDE TORUS IS CLASS 6Q2 MATERIAL AND SCHEDULE 40.
9. HOSE ONLY CONNECTED DURING SURVEILLANCE TESTING.

## REFERENCE DWGS

1. FLOW DIAGRAM SYMBOLS FM-14A

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

- RESIDUAL HEAT REMOVAL SYSTEM AMM-02
- CORE SPRAY SYSTEM AMM-03
- HIGH PRESSURE COOLANT INJECTION SYSTEM AMM-05
- REACTOR CORE ISOLATION COOLING SYSTEM AMM-06
- FUEL POOL COOLING AND CLEAN-UP SYSTEM AMM-19
- REACTOR COOLANT SYSTEM PRESSURE BOUNDARY AMM-33

QA CAT I,M,II/III

NUCLEAR SAFETY RELATED

**JAMES A. FITZPATRICK**
NUCLEAR POWER PLANT

DWN
CHK'D
RESP. ENG.
VERIFIED
APPROVAL
DATE

FLOW DIAGRAM
RESIDUAL HEAT REMOVAL
SYSTEM 10

Entergy Nuclear Northeast

SCALE NONE
DWG NO FM-20A
REV 70
SHEET 1 OF 1

REF: ISI-FM-20A

| REV NO | DATE | DESCRIPTION | DWN | CHK | RE | VFY | APP |
|---|---|---|---|---|---|---|---|
| 70 | | INCORPORATED DRN-05-00272 ER-JAF-04-41751 | KMB | RVB | RK | | |
| 69 | 5/5/04 | AS BUILT PER DCR-04-026/DRN-04-03459 | KMB | PD | – | JC | JME |
| 68 | 2/11/04 | AS BUILT PER MOD NO JD-03-005 | KMB | RVB | – | GJT | JA |
| 67 | 8/24/03 | AS BUILT PER MOD NO JD-03-005 | KMB | JB | – | KM | JA |

REVISIONS

| NO. | DATE | DESCRIPTION | BY | ENG | CHK | APP |
|---|---|---|---|---|---|---|
| 0 | 4-12-06 | | | | | |

REVISIONS

LRA-FM-20A-0

CAD FILE LRA-FM-20A_70.DGN
RASTER FILE FM-20A_70.CAL