



DIAGRAMS			
NO.	TITLE	D. E. CO. NO.	G. E. NO.
1	DIAGRAM CONTROL ROD DRIVE	M-2081	729E62AB
2	DIAGRAM CONTROL SYSTEM (SIC)	M-2082	729E62AB
3	DIAGRAM REACTOR HEAT REMOVAL SYSTEM DIVISION I (SR)	M-2084	729E62AB
4	DIAGRAM REACTOR HEAT REMOVAL SYSTEM DIVISION II (SR)	M-2083	729E62AB
5	DIAGRAM CORE SPRAY SYSTEM (SIC)	M-2034	
6	DIAGRAM HIGH PRESSURE COOLANT INJECTION SYSTEM (SIC)	M-2025	729E62AB
7	DIAGRAM HIGH PRESSURE COOLANT INJECTION SYSTEM BAROMETRIC CONDENSER	M-2043	729E62AB
8	DIAGRAM REACTOR CORE COOLANT COOLING SYSTEM (SIC)	M-2044	729E62AB
9	DIAGRAM REACTOR CORE COOLANT COOLING SYSTEM BAROMETRIC CONDENSER	M-2045	729E62AB
10	DIAGRAM REACTOR WATER CLEAN-UP SYSTEM (SIC)	M-2046	731E638AB
11	DIAGRAM REACTOR WATER CLEAN-UP SYSTEM FILTER REMOVAL (SIC)	M-2047	731E638AB
12	DIAGRAM REACTOR WATER CLEAN-UP SYSTEM FILTER REMOVAL (SIC)	M-2048	729E62AB
13	DIAGRAM REACTOR WATER CLEAN-UP SYSTEM FILTER REMOVAL (SIC)	M-2049	7321A4AB
14	DIAGRAM REACTOR BUILDING COOLING SYSTEM EMERGENCY COOLING SYSTEM	M-2058	
15	DIAGRAM REACTOR BUILDING SERVICE WATER SYSTEM	M-2078	
16	DIAGRAM REACTOR BUILDING SERVICE WATER SYSTEM	M-2089	729E62AB
17	DIAGRAM REACTOR WATER CLEAN-UP PHASE SEPARATORS (SIC)	M-2088	729E62AB
18	DIAGRAM CONDENSATE STORAGE SYSTEM	M-2005	
19	DIAGRAM STATION AIR SYSTEM	M-2085	
20	DIAGRAM FEES WATER SYSTEM	M-2023	
21	DIAGRAM REACTOR RECONDENSING SYSTEM		729E62AB
22	DIAGRAM REACTOR HEAT REMOVAL SERVICE WATER SYSTEM	M-2012	
23	DIAGRAM NUCLEAR BOILER	M-2090	729E62AB
24	DIAGRAM WASTE COLLECTOR SYSTEM	M-2033	729E62AB

7. FUEL POOL DRYER-SEPARATOR PIT AND REACTOR WELL LINERS ARE TO BE DIVIDED INTO SECTIONS, EACH WITH ITS OWN LINER SUMP. THESE DRAINS ARE TO BE PIPED TO AN ACCESSIBLE AREA WHERE SHUTOFF VALVES ARE TO BE LOCATED. A LINER LEAK MAY BE LOCALIZED BY SEQUENTIALLY OPENING THE SHUTOFF VALVES TO DRAIN THE LINES INTO THE HEADER. A SIGHT GLASS IS PROVIDED IN THE HEADER TO OBSERVE THE LEAKAGE.
8. SEE DWG. NO. M-2057 & 2059 FOR LOCATION OF LINER DRAINS.
9. REMOVE STRAINER BASKETS AFTER START-UP. (SEE CECD)
10. ALL EQUIPMENT AND PIPING COMPONENTS ARE DESIGNATED QUALITY ASSURANCE LEVEL II UNLESS NOTED OTHERWISE.
11. ALL SEAL WELDS THAT CONNECT DRAIN LINES TO THE LINERS OF THE DRYER SEPARATOR STORAGE PIT, REACTOR WELL, OR FUEL STORAGE POOL, ARE CONSIDERED TO BE PART OF THE LINER. NOT THE PIPE AND ARE THEREFORE CLASSIFIED AS GROUP 'D' WELDS.
12. G4153F004 CAN BE MANUALLY CLOSED TO ALIGN FOR RHR FPCU ASSIST. MOTOR AND POWER ARE N.G.

- NOTES:
- THIS DIAGRAM REPLACES THE GENERAL ELECTRIC DIAGRAM NO 729E609AB REV 5 EDISON FILE #R1-10
 - SPECIFIC SYSTEM DESIGN REQUIREMENTS ARE GIVEN IN THE FUEL POOL COOLING & CLEANUP SYSTEM DESIGN SPECIFICATION # 3071-509
 - THE PLANT IDENTIFICATION NUMBER FOR THE FPCU SYSTEM IS G4100
 - DRAIN PIPING EMBEDDED IN CONCRETE SHALL BE 150# S.S. ALL OTHER DRAIN
 - VACUUM RELIEF LINES ARE OPEN ENDED.
 - MATERIALS, PIPE SCHEDULES, PRESSURES AND TEMPERATURES ARE GIVEN ON THE ISOMETRIC DRAWINGS

INSTRUMENT & CONTROL SYSTEM NOTES

A. UNLESS OTHERWISE SHOWN ALL INSTRUMENT NO'S ON THIS DIAGRAM ARE FOR SYSTEM G41

B. NOTE REMOVED

C. NOTE REMOVED

D. CR IS HIIP601

REFERENCES:

- PIPING & INSTRUMENT SYMBOLS-GE 197857 RI-25
- LEGEND OF SYMBOLS & INSTR. IDENT M-2001-FDR PLANT SYSTEM DIAGRAM.

LEGEND

- ▲ THIS INSTRUMENTATION IS TO BE LOCATED ON THE OPERATING FLOOR PANEL POOL
- ▲▲ THIS INSTRUMENTATION IS TO BE LOCATED IN THE FUEL POOL PUMP PANEL POOL
- ▲▲▲ THIS EQUIPMENT IS TO BE LOCATED IN VICINITY OF FUEL POOL PUMPS AND HEAT EXCHANGERS.
- ▲▲▲▲ THIS INSTRUMENTATION IS TO BE LOCATED IN THE RADWASTE BUILDING FILT/DEMIN PANEL G41P010.
- IDENTIFIES PIPING ISOMETRIC FOR FABRICATION & ERECTION.

6M721-2048
LATEST REVISION AM

NUCLEAR SAFETY RELATED

THIS IS A MICROSTATION PRODUCED DRAWING. CHANGES OR REVISIONS MUST BE BROUGHT TO THE ATTENTION OF THE PLANT ENGINEERING DESIGN GROUP TO ENSURE THAT CONFIGURATION CONTROL IS MAINTAINED.

INC. CODE	Detroit Edison		Fermi 2	
TITLE	DIAGRAM FUEL POOL COOLING & CLEAN UP SYSTEM			
APERTURE CARD TITLE	DIA FUEL POOL COOLING CLNUP SYS			
PLANT IDENTIFICATION SYSTEM NUMBER	G4100			
DOCUMENT TYPE CODE	DDMEC	NUC OPS FILE NO	1801	DATE ISSUED TO US
DRAWING NUMBER	6M721-2048	REV	4-16-23	AM

PREPARED BY	DATE	CHECKED BY	DATE
MDHAMED NUMAN	4-4-2020	John Hagan	4-5-20
APPROVED BY	DATE	DATE	
John Hagan	4/6/20		