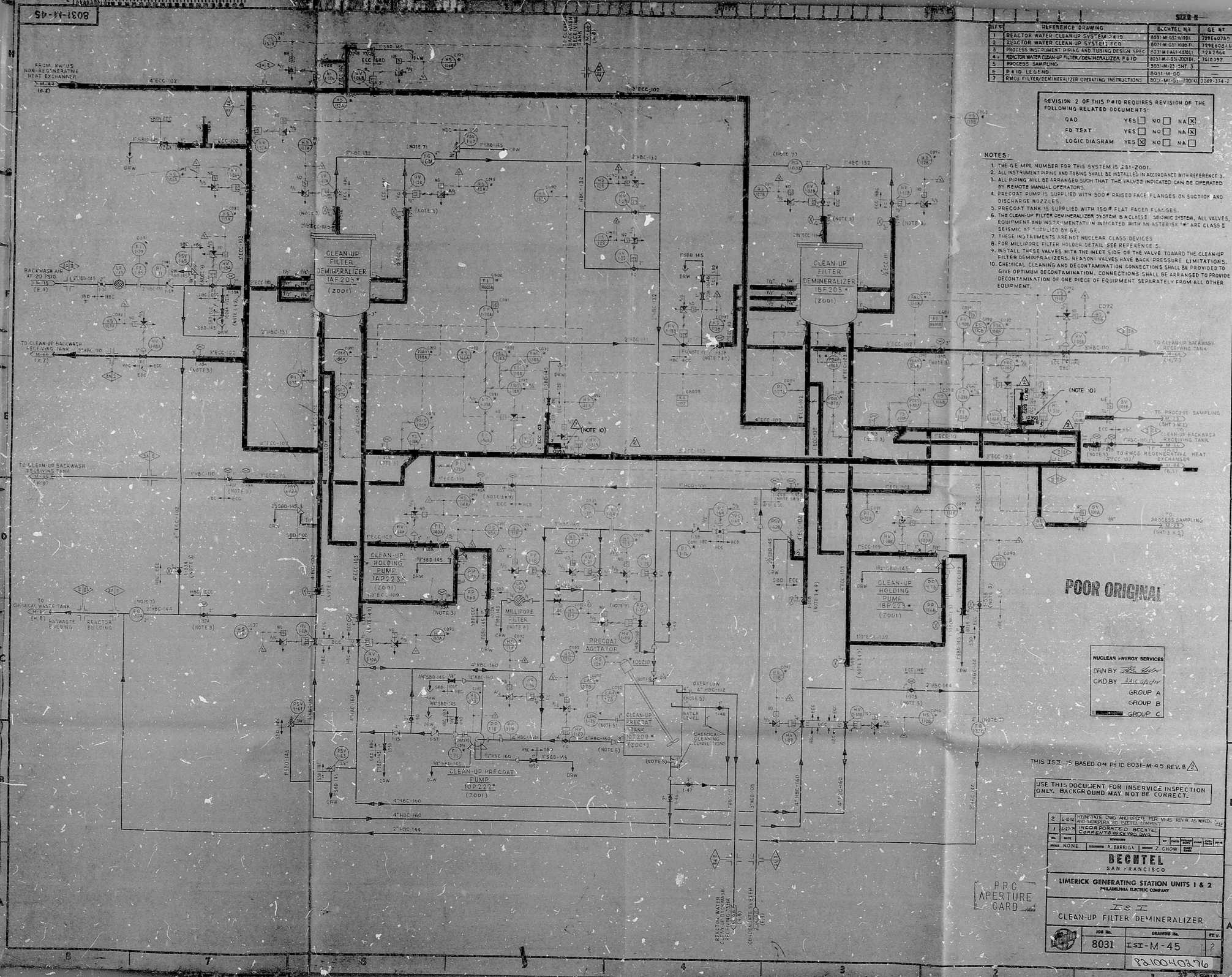

REF. Nº	REFERENCE DRAWING	BECHTEL Nº	GE Nº
1	REACTOR WATER CLEAN-UP SYSTEM P&ID	8031-M-031-1100L	729E607AD
2	REACTOR WATER CLEAN-UP SYSTEM FCD	8031-M-031-1020-FL	729E608AG
3	PROCESS INSTRUMENT PIPING AND TUBING DESIGN SPEC	8031-M-031-4070LL	22A2964
4	REACTOR WATER CLEAN-UP FILTER/DEMINERALIZER P&ID	8031-M-031-2001DL	7G1E397
5	PROCESS SAMPLING	8031-M-23-SHT. 3	—
6	P&ID LEGEND	8031-M-00	—
7	RWCU FILTER/DEMINERALIZER OPERATING INSTRUCTIONS	8031-M-031-7001KL	3249-334-2

REVISION 2 OF THIS P&ID REQUIRES REVISION OF THE FOLLOWING RELATED DOCUMENTS:

QAD	YES ☐	NO ☐	NA ☒
FD TSXT	YES ☐	NO ☐	NA ☒
LOGIC DIAGRAM	YES ☒	NO ☐	NA ☐

NOTES:

1. THE GE MPL NUMBER FOR THIS SYSTEM IS J31-2001.
2. ALL INSTRUMENT PIPING AND TUBING SHALL BE INSTALLED IN ACCORDANCE WITH REFERENCE 3.
3. ALL PIPING WILL BE ARRANGED SUCH THAT THE VALVES INDICATED CAN BE OPERATED BY REMOTE MANUAL OPERATORS.
4. PRECOAT PUMP IS SUPPLIED WITH 300# RAISED FACE FLANGES ON SUCTION AND DISCHARGE NOZZLES.
5. PRECOAT TANK IS SUPPLIED WITH 150# FLAT FACED FLANGES.
6. THE CLEAN-UP FILTER DEMINERALIZER SYSTEM IS A CLASS I SEISMIC SYSTEM. ALL VALVES, EQUIPMENT AND INSTRUMENTATION INDICATED WITH AN ASTERISK "*" ARE CLASS I SEISMIC AS SUPPLIED BY GE.
7. THESE INSTRUMENTS ARE NOT NUCLEAR CLASS DEVICES.
8. FOR MILLIPORE FILTER HOLDER DETAIL SEE REFERENCE 5.
9. INSTALL THESE VALVES WITH THE INLET SIDE OF THE VALVE TOWARD THE CLEAN-UP FILTER DEMINERALIZERS. REASON: VALVES HAVE BACK-PRESSURE LIMITATIONS.
10. CHEMICAL CLEANING AND DECONTAMINATION CONNECTIONS SHALL BE PROVIDED TO GIVE OPTIMUM DECONTAMINATION. CONNECTIONS SHALL BE ARRANGED TO PROVIDE DECONTAMINATION OF ONE PIECE OF EQUIPMENT SEPARATELY FROM ALL OTHER EQUIPMENT.

NUCLEAR ENERGY SERVICES
DRN BY
CKD BY
GROUP A
GROUP B
GROUP C

THIS ISI IS BASED ON P&ID 8031-M-45 REV. 8

USE THIS DOCUMENT FOR INSERVICE INSPECTION ONLY. BACKGROUND MAY NOT BE CORRECT.

No.	DATE	REVISIONS	BY	CHKD	PROJECT ENGR	DISC	PROJ. ENGR	PR-M
2	6-8-82	REINITIATE DWG AND UPDATE PER M-45 REV 8 AS NOTED, AND INCORPORA TO BECTEL COMMENTS						
1	6-27-79	INCORPORATED BECHTEL COMMENTS PRIOR TO 1979						

SCALE NONE — DESIGNED A. BARRIGA — DRAWN Z. CHOW

BECHTEL
SAN FRANCISCO

LIMERICK GENERATING STATION UNITS 1 & 2
PHILADELPHIA ELECTRIC COMPANY

ISI
CLEAN-UP FILTER DEMINERALIZER

JOB No.	DRAWING No.	REV.
8031	ISI-M-45	2

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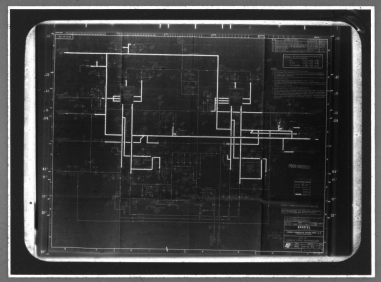

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