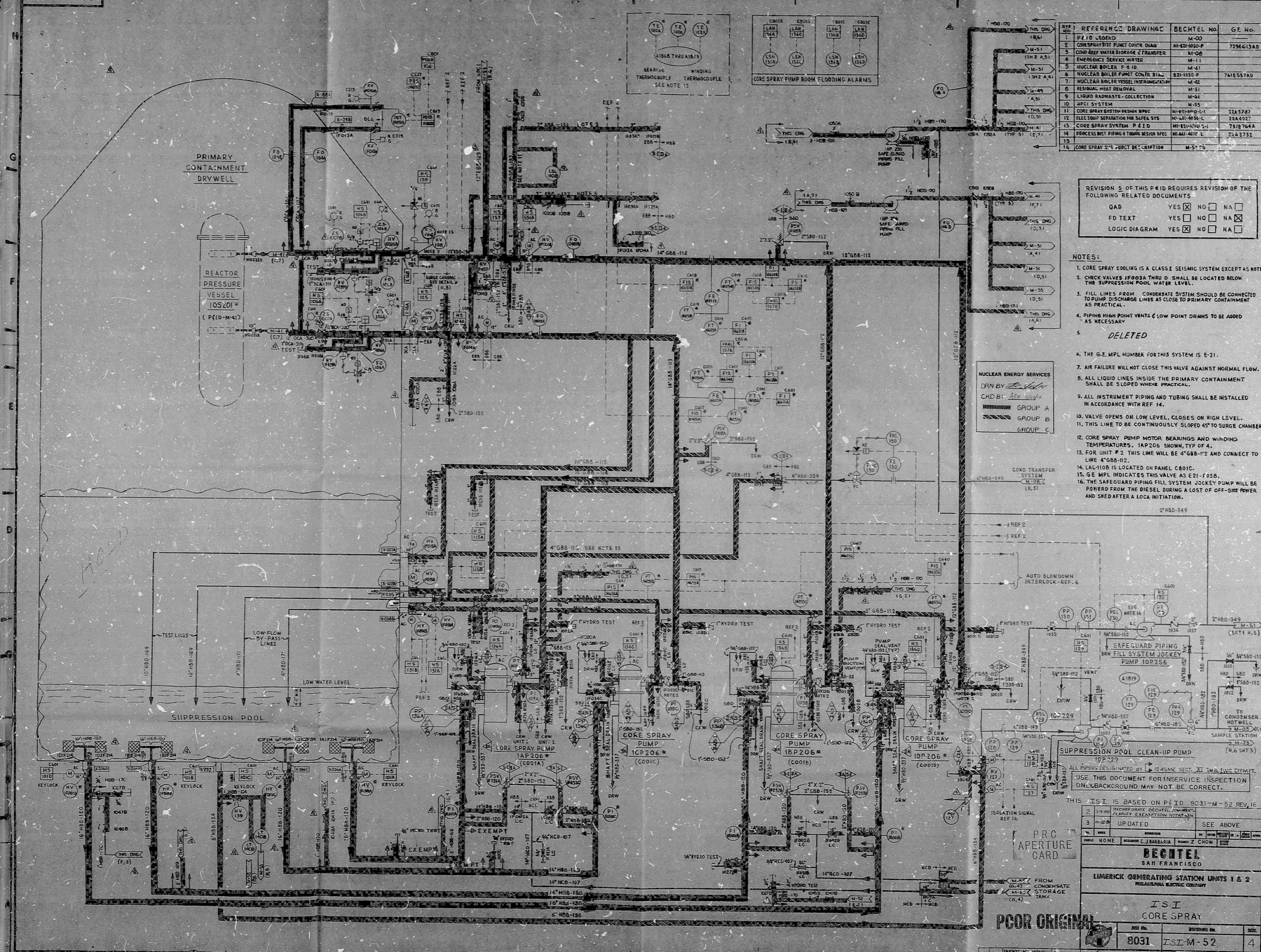


35-M-52

SIZE E



REF. NO.	REFERENCE DRAWING	BECHTEL NO.	GE. NO.
1	PI 10 (060)	M-00	
2	CORE SPRAY PUMP CONTR. DIAG.	M-01-050-P	729613AD
3	COND. REEF. WATER STORAGE STRAMPER	M-06	
4	EMERGENCY SERVICE WATER	M-11	
5	NUCLEAR BOILER P. 610	M-41	
6	NUCLEAR BOILER PUMP CONTR. DIAG.	B21-1330-F	741557AD
7	NUCLEAR BOILER VESSEL INSTRUMENTATION	M-42	
8	RESUMUAL HEAT REMOVAL	M-51	
9	LIQUID WASTE COLLECTION	M-51	
10	APCI SYSTEM	M-55	
11	CORE SPRAY SYSTEM DESIGN SPEC.	M-01-100-L-1	22A3787
12	ELEC. EQUIP. SEPARATION FOR SAFEG. SYS.	M-01-050-L	22A4027
13	CORE SPRAY SYSTEM P. & I. D.	M-01-100-S-1	7316764A
14	PROCESS PIPING & TUBING DESIGN SPEC.	M-01-060-L	22A3732
15	CORE SPRAY SYS. - INSTR. DESCRIPTION	M-51-75	

REVISION 5 OF THIS P&ID REQUIRES REVISION OF THE FOLLOWING RELATED DOCUMENTS:

QAD YES  NO  NA

FD TEXT YES  NO  NA

LOGIC DIAGRAM YES  NO  NA

- NOTES:
- CORE SPRAY COOLING IS A CLASS II SEISMIC SYSTEM EXCEPT AS NOTED.
  - CHECK VALVES IF 03A THRU D SHALL BE LOCATED BELOW THE SUPPRESSION POOL WATER LEVEL.
  - FILL LINES FROM CONDENSATE SYSTEM SHOULD BE CONNECTED TO PUMP DISCHARGE LINES AS CLOSE TO PRIMARY CONTAINMENT AS PRACTICAL.
  - PIPING HIGH POINT VENTS & LOW POINT DRAINS TO BE ADDED AS NECESSARY.
  - DELETED
  - THE G.E. MPL NUMBER FOR THIS SYSTEM IS E-21.
  - AIR FAILURE WILL NOT CLOSE THIS VALVE AGAINST NORMAL FLOW.
  - ALL LIQUID LINES INSIDE THE PRIMARY CONTAINMENT SHALL BE SLOPED WHERE PRACTICAL.
  - ALL INSTRUMENT PIPING AND TUBING SHALL BE INSTALLED IN ACCORDANCE WITH REF. 14.
  - VALVE OPENS ON LOW LEVEL, CLOSSES ON HIGH LEVEL.
  - THIS LINE TO BE CONTINUOUSLY SLOPED 45° TO SURGE CHAMBER.
  - CORE SPRAY PUMP MOTOR BEARINGS AND WINDING TEMPERATURES - IAP 206 SHOWN, TYP OF 4.
  - FOR UNIT # 2 THIS LINE WILL BE 4" G88-112 AND CONNECT TO LINE 4" G88-112.
  - LAL-110B IS LOCATED ON PANEL C801C.
  - GE MPL INDICATES THIS VALVE AS E21-F058.
  - THE SAFEGUARD PIPING FILL SYSTEM JOCKEY PUMP WILL BE POWERED DURING A LOSS OF OFF-SITE POWER AND SHED AFTER A LOCA INITIATION.

NUCLEAR ENERGY SERVICES  
 DRN BY [Signature]  
 CKD BY [Signature]  
 GROUP A  
 GROUP B  
 GROUP C

PRO APERTURE CARD

PCOR ORIGINAL

THIS P&ID IS BASED ON P&ID 3031-M-52 REV. 16

NO.	DATE	DESCRIPTION	BY	CHKD.
1	3-9-68	INCORPORATE BECHTEL COMMENTS	J. BARBARA	T. CHOW
2	3-9-68	INCORPORATE BECHTEL COMMENTS	J. BARBARA	T. CHOW
3	10-20-68	UPDATED	J. BARBARA	T. CHOW

BECHTEL  
 SAN FRANCISCO

LIMERICK GENERATING STATION UNITS 1 & 2  
 PHILADELPHIA ELECTRIC COMPANY

ISI  
 CORE SPRAY

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1	3-9-68	INCORPORATE BECHTEL COMMENTS	J. BARBARA	T. CHOW
2	3-9-68	INCORPORATE BECHTEL COMMENTS	J. BARBARA	T. CHOW
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