

LGS UFSAR

Figures 1.2-1 through 1.2-72

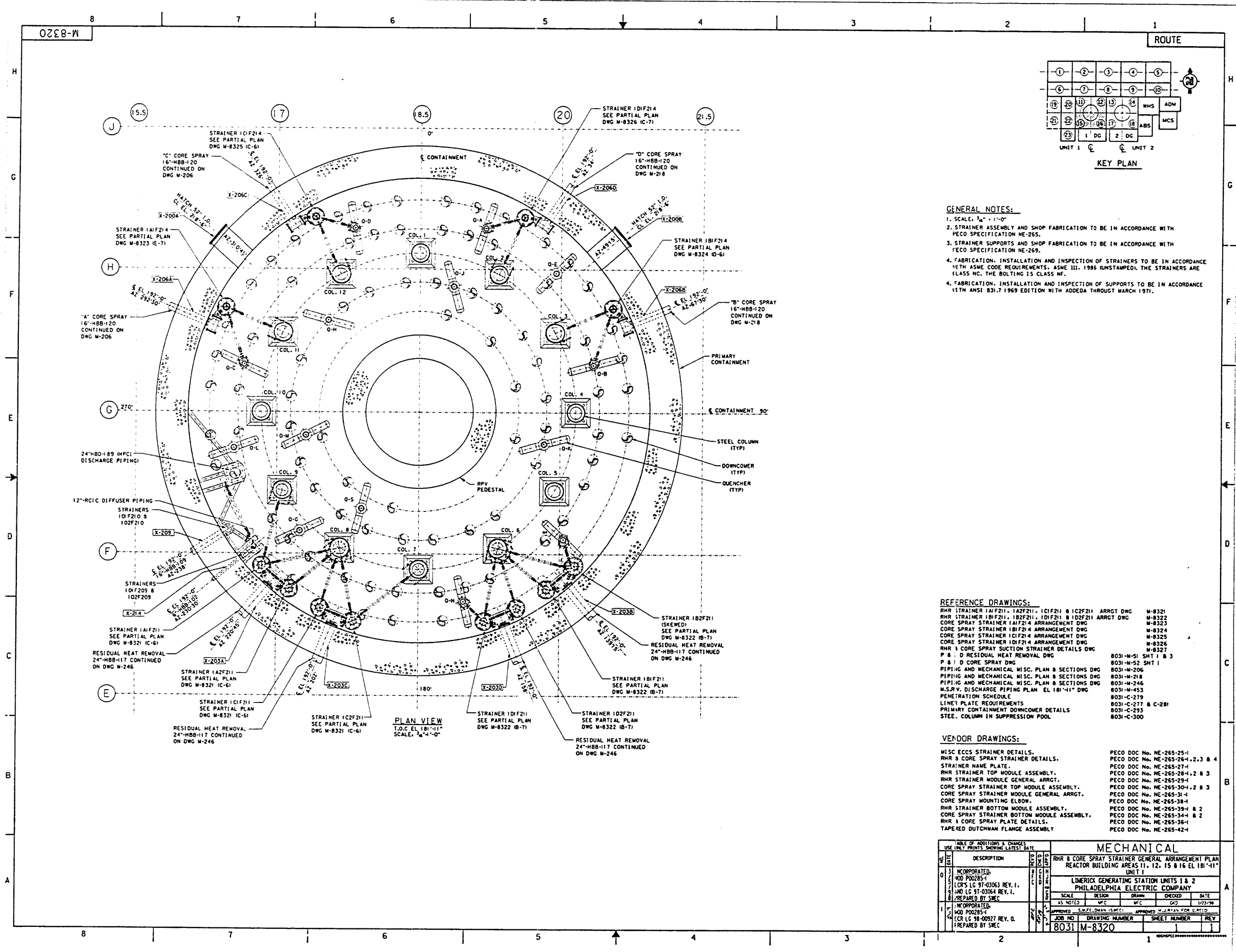
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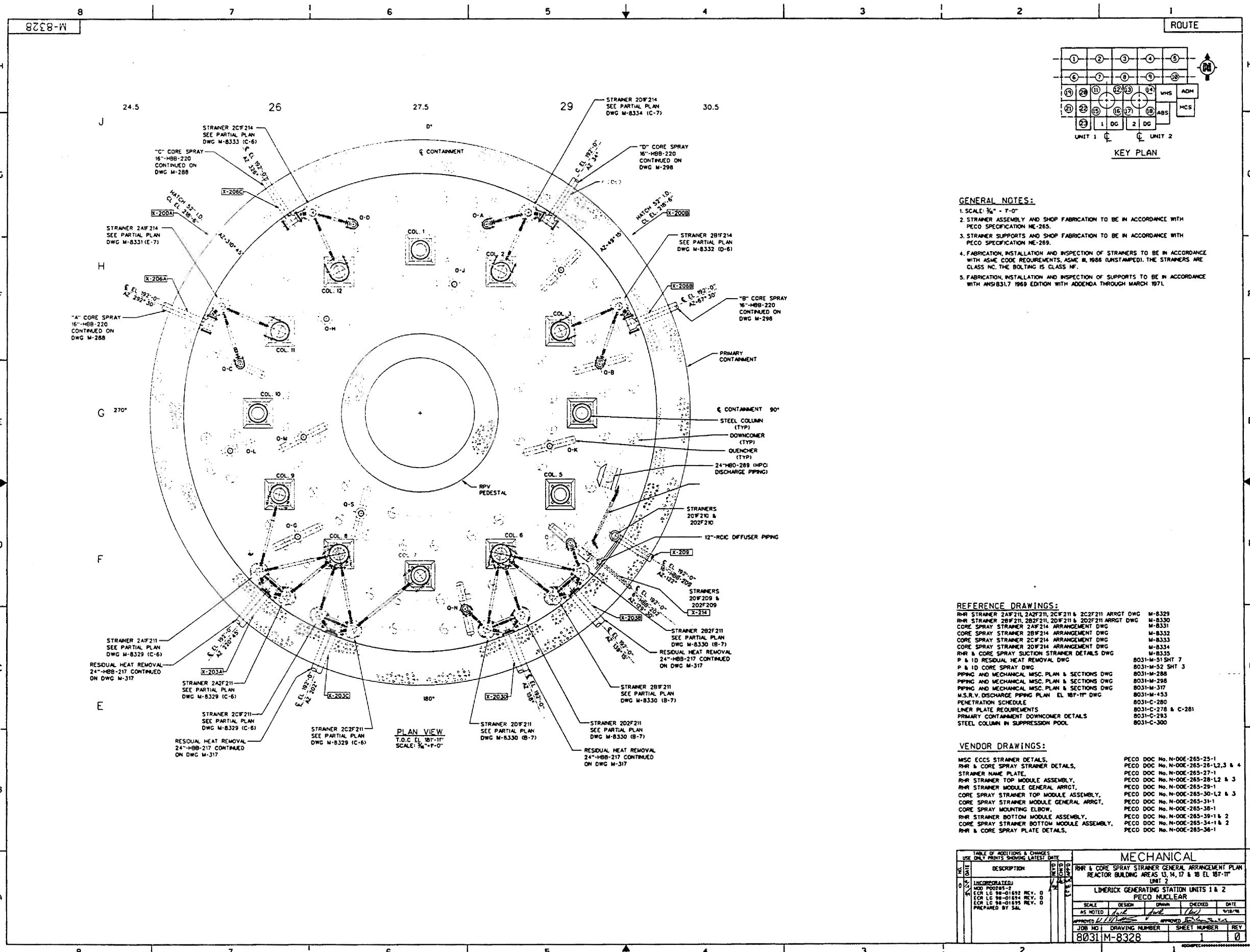
Figure 1.2-73
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Figures 1.2-74 through 1.2-82

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GENERAL NOTES:

1. SCALE: 1/4" = 1'-0"
2. STRAINER ASSEMBLY AND SHOP FABRICATION TO BE IN ACCORDANCE WITH PECO SPECIFICATION NE-265.
3. STRAINER SUPPORTS AND SHOP FABRICATION TO BE IN ACCORDANCE WITH PECO SPECIFICATION NE-269.
4. FABRICATION, INSTALLATION AND INSPECTION OF STRAINERS TO BE IN ACCORDANCE WITH ASME CODE REQUIREMENTS, ASME II, 1986 (UNSTAMPED). THE STRAINERS ARE CLASS NC, THE BOLTING IS CLASS NF.
5. FABRICATION, INSTALLATION AND INSPECTION OF SUPPORTS TO BE IN ACCORDANCE WITH ANSI B31.7 1969 EDITION WITH ADDENDA THROUGH MARCH 1971.

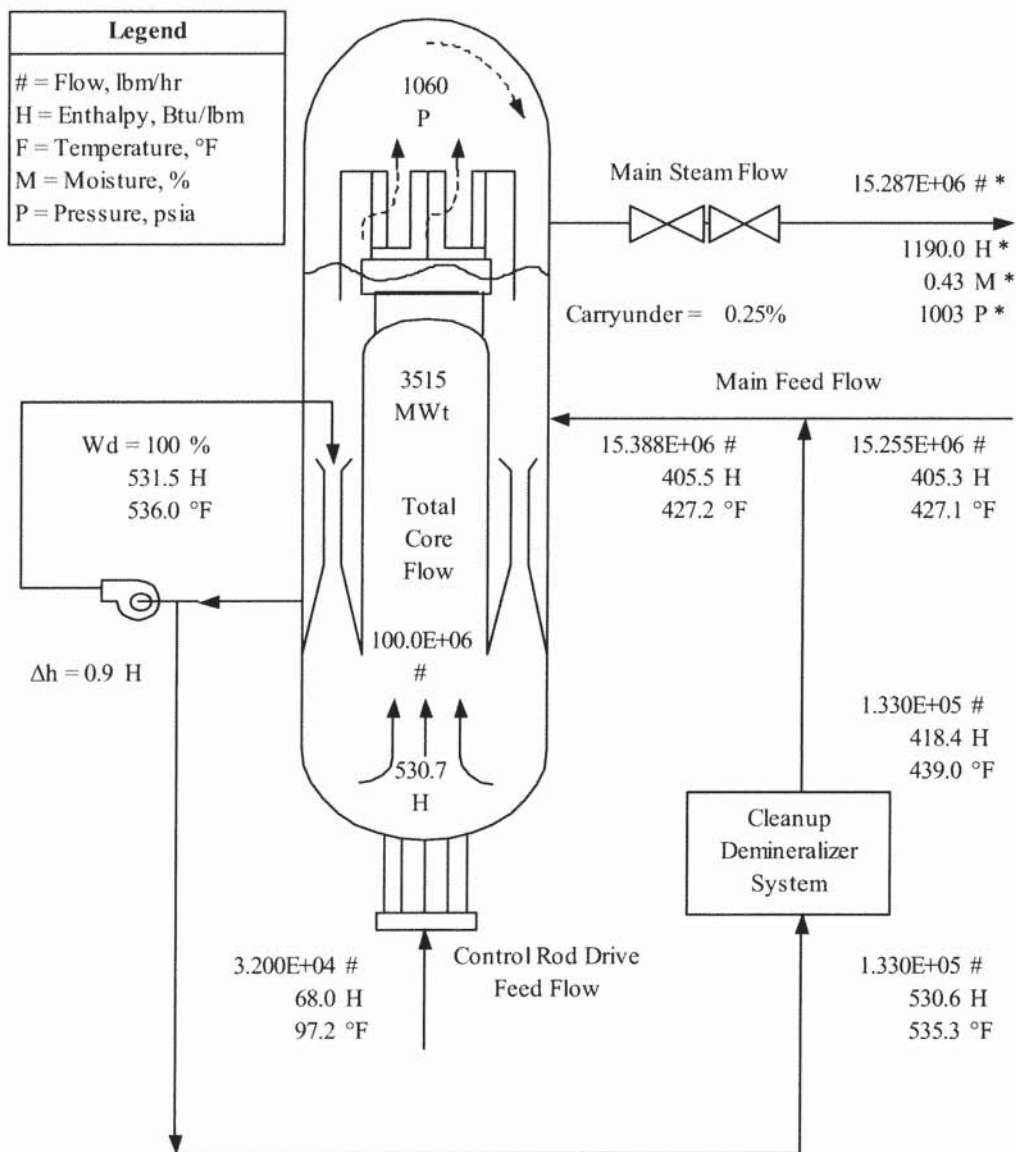
REFERENCE DRAWINGS:

RHR STRAINER 20F210, 20F211, 20F212, 20F213, 20F214 ARRGT DWG	M-8329
RHR STRAINER 20F210, 20F211, 20F212, 20F213, 20F214 ARRGT DWG	M-8330
CORE SPRAY STRAINER 20F214 ARRANGEMENT DWG	M-8331
CORE SPRAY STRAINER 20F214 ARRANGEMENT DWG	M-8332
CORE SPRAY STRAINER 20F214 ARRANGEMENT DWG	M-8333
CORE SPRAY STRAINER 20F214 ARRANGEMENT DWG	M-8334
RHR & CORE SPRAY SUCTION STRAINER DETAILS DWG	M-8335
P & ID CORE SPRAY DWG	8031-M-51 SHT 7
P & ID CORE SPRAY DWG	8031-M-52 SHT 3
PIPEWORK AND MECHANICAL, MSC. PLAN & SECTIONS DWG	8031-M-268
PIPEWORK AND MECHANICAL, MSC. PLAN & SECTIONS DWG	8031-M-269
U.S.R.V. DISCHARGE PIPEWORK PLAN EL. 187'-11" DWG	8031-M-453
PENETRATION SCHEDULE	8031-C-280
LINEAR PLATE REQUIREMENTS	8031-C-278 & C-281
PRIMARY CONTAINMENT DOWNCOMER DETAILS	8031-C-283
STEEL COLUMN IN SUPPRESSION POOL	8031-C-300

VENDOR DRAWINGS:

MSC ECCS STRAINER DETAILS,	PECO DOC No. N-006-265-25-1
RHR & CORE SPRAY STRAINER DETAILS,	PECO DOC No. N-006-265-26-1, 2, 3 & 4
STRAINER NAME PLATE,	PECO DOC No. N-006-265-27-1
RHR STRAINER TOP MODULE ASSEMBLY,	PECO DOC No. N-006-265-28-1, 2 & 3
RHR STRAINER MODULE GENERAL ARRGT,	PECO DOC No. N-006-265-29-1
CORE SPRAY STRAINER TOP MODULE ASSEMBLY,	PECO DOC No. N-006-265-30-1, 2 & 3
CORE SPRAY STRAINER MODULE GENERAL ARRGT,	PECO DOC No. N-006-265-31-1
CORE SPRAY MOUNTING ELBOW,	PECO DOC No. N-006-265-32-1
RHR STRAINER BOTTOM MODULE ASSEMBLY,	PECO DOC No. N-006-265-33-1 & 2
CORE SPRAY STRAINER BOTTOM MODULE ASSEMBLY,	PECO DOC No. N-006-265-34-1 & 2
RHR & CORE SPRAY PLATE DETAILS,	PECO DOC No. N-006-265-36-1

TABLE OF ADDITIONS & CHANGES		MECHANICAL	
USE ONLY PRINTS SHOWING LATEST DATE		RHR & CORE SPRAY STRAINER GENERAL ARRANGEMENT PLAN	
DESCRIPTION		REACTOR BUILDING AREAS 13, 14, 17 & 18 EL. 187'-11"	
INCORPORATED:		UNIT 2	
HSD 000285-2		LIMERICK GENERATING STATION UNITS 1 & 2	
FOR LC 98-01692 REV. 0		PECO NUCLEAR	
FOR LC 98-01694 REV. 0		SCALE	
FOR LC 98-01695 REV. 0		AS NOTED	
PREPARED BY SAL		DESIGN	
		CHECKED	
		DATE	
		VIB/M	
		APPROVED	
		SHEET NUMBER	
		REV	
		8031-M-8328	
		0	



*Conditions at upstream side of TSV

Core Thermal Power	3515.0
Pump Heating	9.0
Cleanup Losses	-4.4
Other System Losses	-1.1
Turbine Cycle Use	3518.5 MWt

LIMERICK GENERATING STATION
UNITS 1 AND 2
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REACTOR SYSTEM HEAT BALANCE

Note: Wd indicates recirculation drive flow.

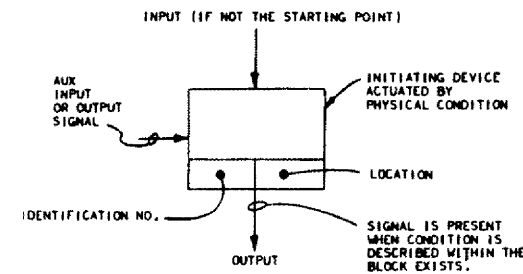
FIGURE 1.2-84

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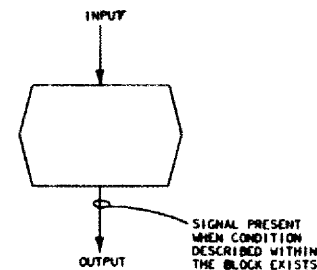
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Figures 1.10-1

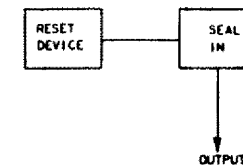
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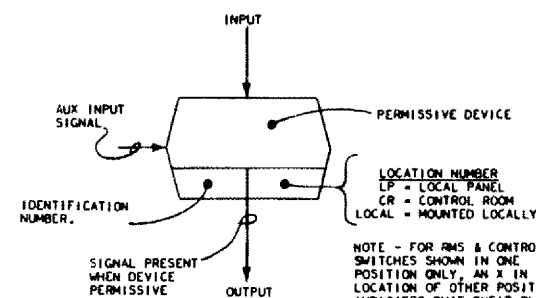
COMMAND BLOCK
THIS BLOCK CAN REPRESENT A SWITCH, VALVE, PROBE, TIMER, OR TRIP CIRCUIT. IT IS NORMALLY THE STARTING POINT OF A FUNCTIONAL SEQUENCE WITH AN OUTPUT ONLY, BUT CAN HAVE INPUT AND AUX. INPUT DEPENDING ON THE TYPE OF DEVICE. THE SAME DEVICE MAY HAVE A NUMBER OF OUTPUTS, BUT EACH FUNCTIONAL SEQUENCE INITIATED SHALL BE SHOWN BY AN INDIVIDUAL BLOCK SHOWING THE SAME IDENTIFICATION NUMBER.



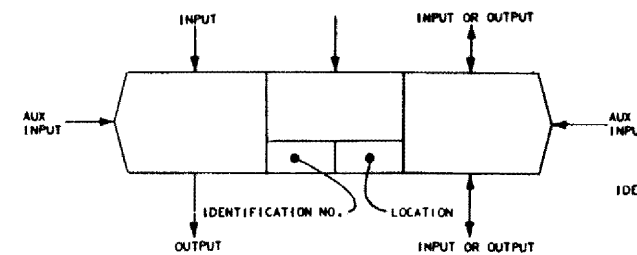
PERMISSIVE CONDITION BLOCK
WHERE THE PERMISSIVE IS A GENERAL CONDITION AND NOT IDENTIFIED WITH A SINGLE DEVICE THE OUTPUTS ENCLOSURE ONLY IS SHOWN



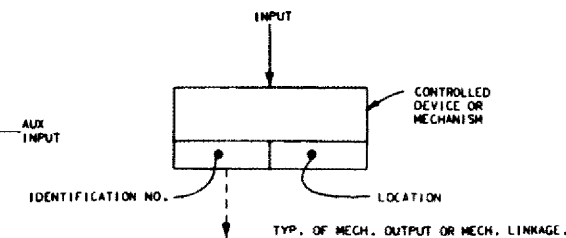
SEAL-IN BLOCK
A SEAL-IN OR LATCHING BLOCK'S FUNCTION IS TO MAINTAIN AN INPUT SIGNAL TO A DEVICE ONCE THE DEVICE HAS BEEN ACTUATED. RESETTING OR INHIBITING A SEAL-IN MAY BE EITHER EXPRESSED OR IMPLIED. IF IMPLIED, THE SEAL-IN WILL BE RESET OR INHIBITED BY INTERRUPTING THE SIGNAL TO THE DEVICE DOWNSTREAM FROM THE POINT WHERE SEAL-IN IS INDICATED. A SEAL-IN SHOWN WITHOUT A RESET DEVICE IMPLIES THAT THE RESET DEVICE IS PART OF, AND LOCATED ON THE NEAREST VALVE OR CONTACTOR. IN ALL OTHER CASES THE RESET DEVICE SHALL BE SHOWN IN CONJUNCTION WITH THE SEAL-IN.



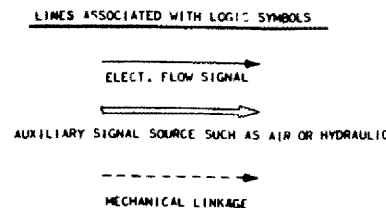
PERMISSIVE DEVICE BLOCK
THIS BLOCK DEFINES A PERMISSIVE FUNCTION WHICH MUST BE SATISFIED TO PERMIT THE SIGNAL FLOW TO PASS TO THE NEXT BLOCK. THIS BLOCK HAS INCOMING, OUTGOING AND MAY HAVE AUXILIARY SIGNALS. THE OUTPUT FROM THIS PERMISSIVE MAY BE SEALED IN.



PERMISSIVE OPERATED BY OTHER DEVICES BLOCK
THIS BLOCK IS A PERMISSIVE OPERATED BY DEVICES SUCH AS VALVE OR PUMP SWITCHGEAR DESIGNATED IN THE INNER BLOCK. THIS COND. OR DEVICE EFFECTS THE OPERATION OF THE FINAL DEVICE. IT HAS ELECT. INPUTS, MECH INPUTS, AUX INPUTS (MECH OR ELEC) AND MECH OR ELEC OUTPUTS. THIS DEVICE IS NORMALLY A VALVE. THIS IS ALSO USED FOR OTHER INPUT/OUTPUT POWER SOURCES SUCH AS AIR OR HYDRAULIC. A SOLENOID PILOT VALVE FOR AN AIR OPERATED VALVE IS AN EXAMPLE OF THIS TYPE DEVICE.



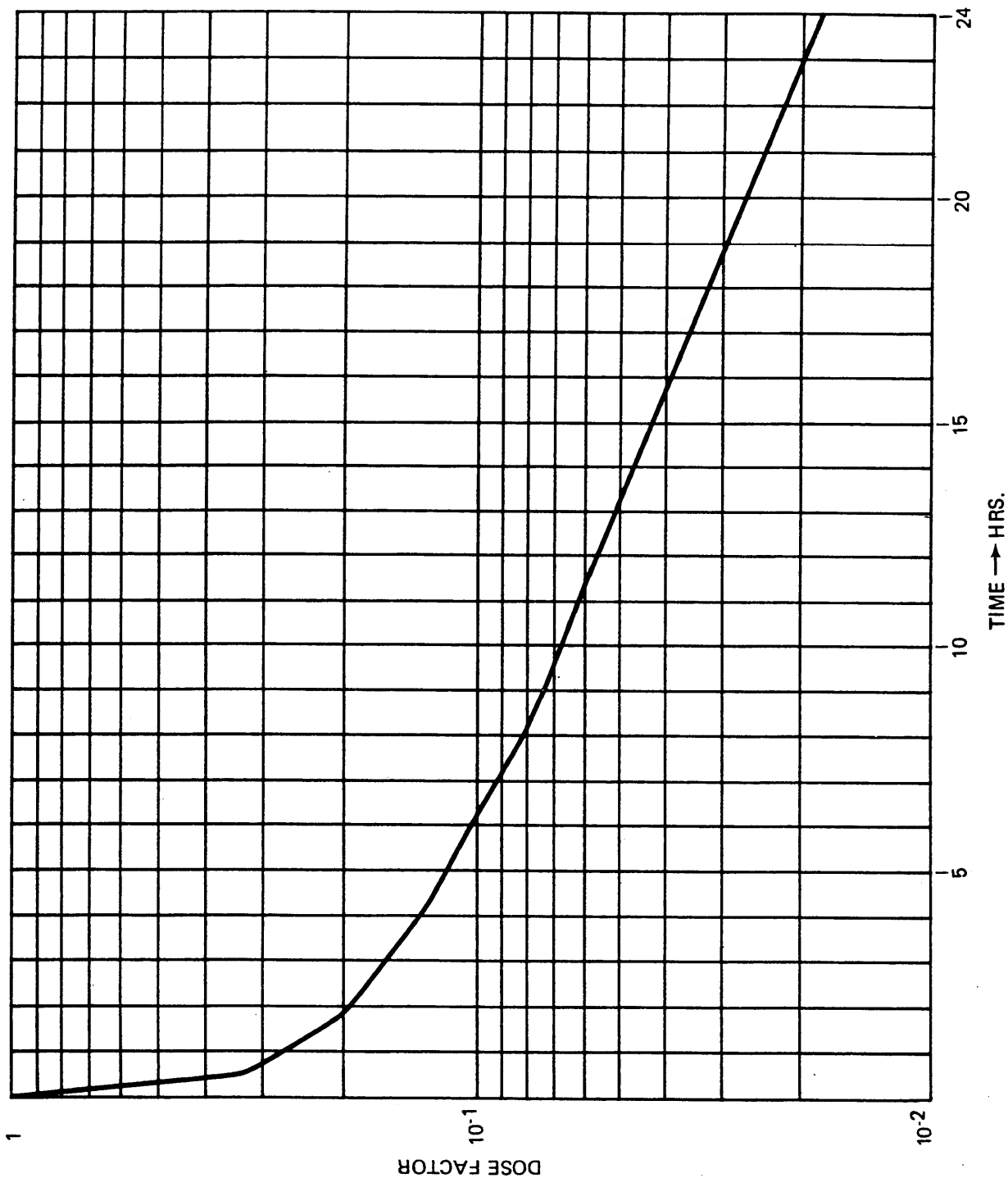
FINAL DEVICE BLOCK
THIS BLOCK CAN BE A RELAY, VALVE, ELECTRO-MECH SW, ETC. NORMALLY IT HAS ONLY INPUTS, BUT CAN HAVE MECH OUTPUTS OR POSITION SWITCH OUTPUTS.



LIMERICK GENERATING STATION
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LOGIC SYMBOLS

FIGURE 1.10-2

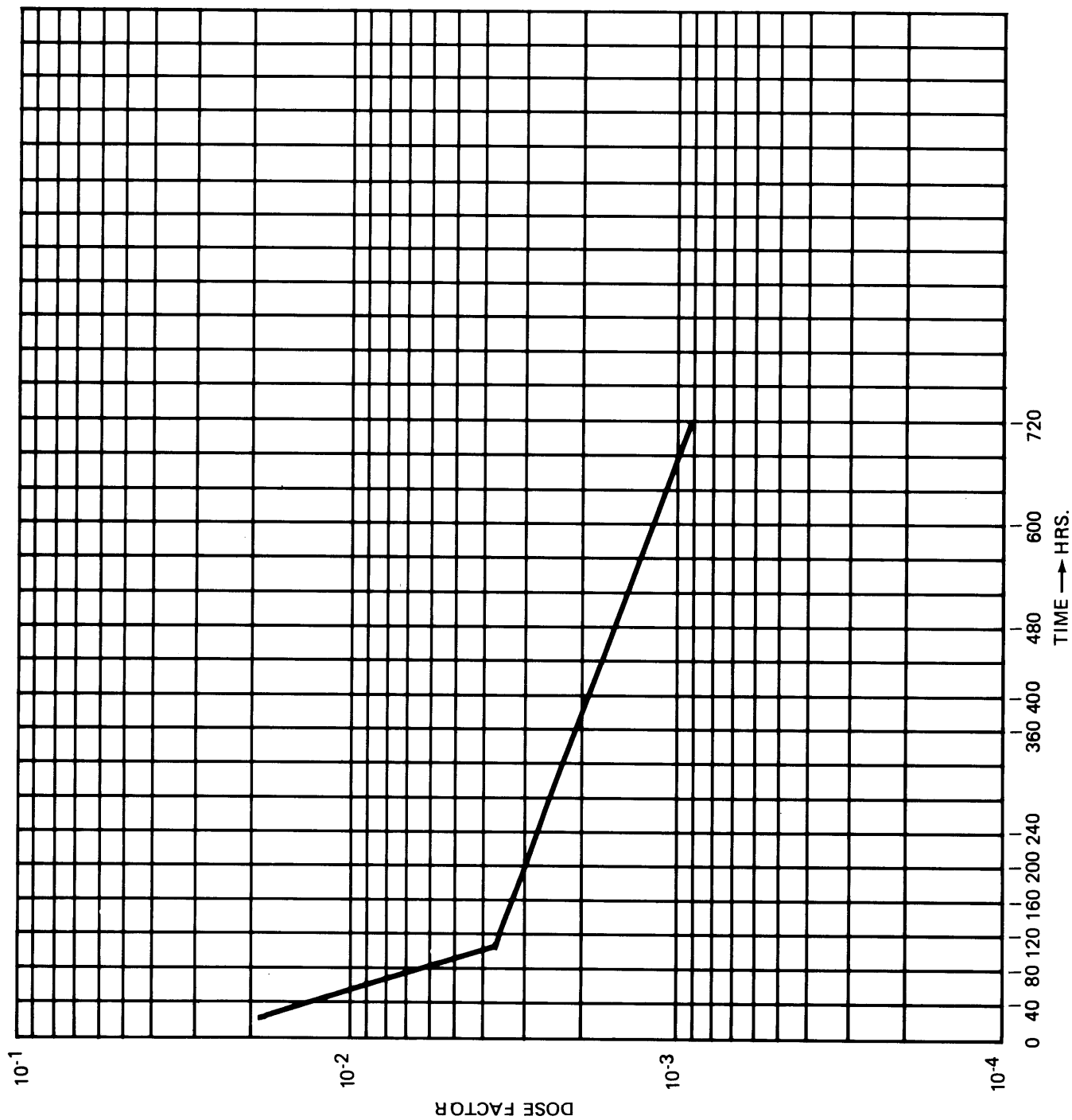


LIMERICK GENERATING STATION
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DOSE RATE REDUCTION
FACTORS FOR ECCS/RHR PIPING
(0 TO 24 HRS)

FIGURE 1.13-1

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**LIMERICK GENERATING STATION
UNITS 1 AND 2
UPDATED FINAL SAFETY ANALYSIS REPORT**

**DOSE RATE REDUCTION
FACTORS FOR ECCS/RHR PIPING
(24 TO 720 HRS)**

FIGURE 1.13-2