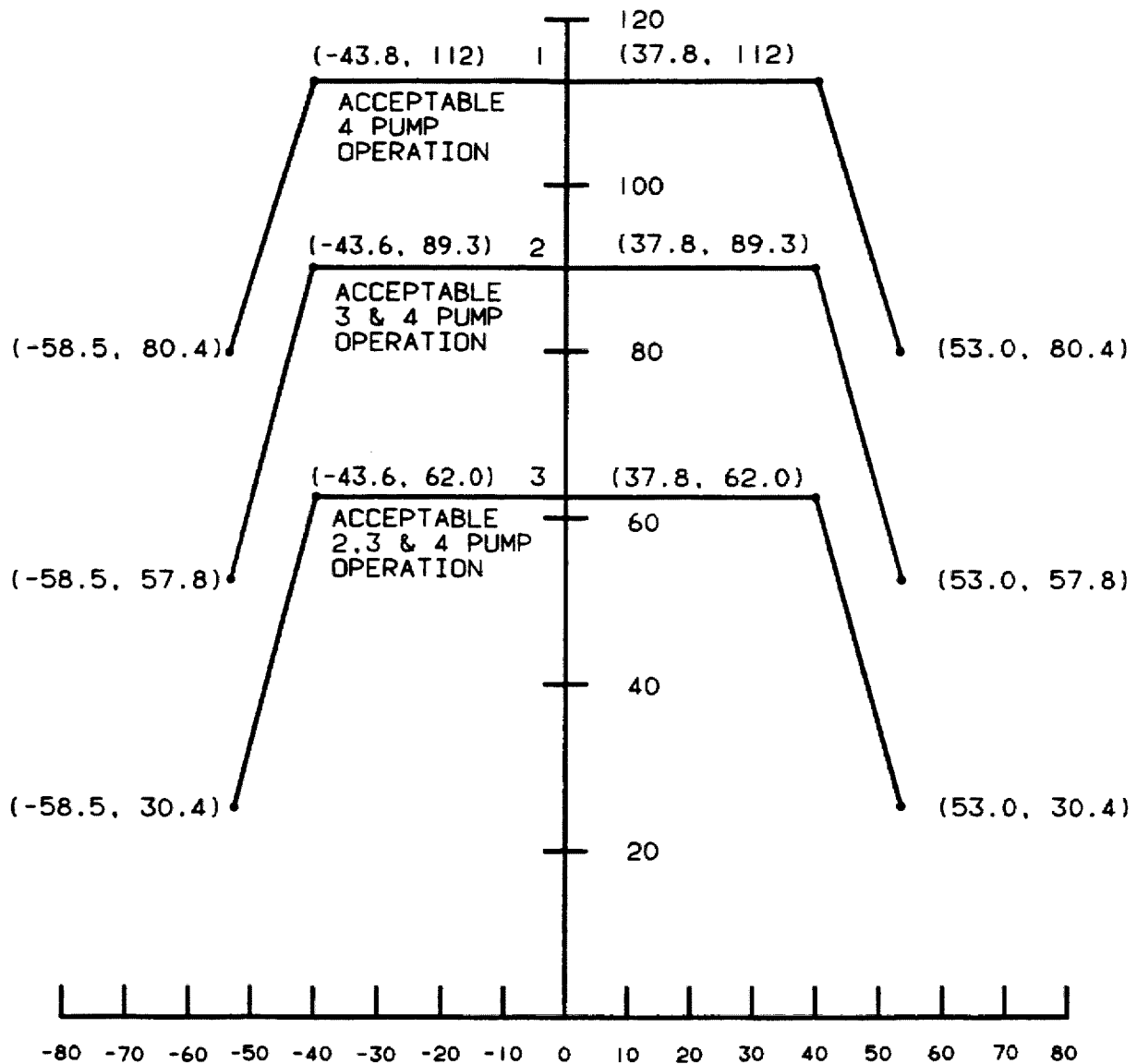


TMI UFSAR

Figure 7.1-1

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THERMAL POWER LEVEL, %



AXIAL POWER IMBALANCE

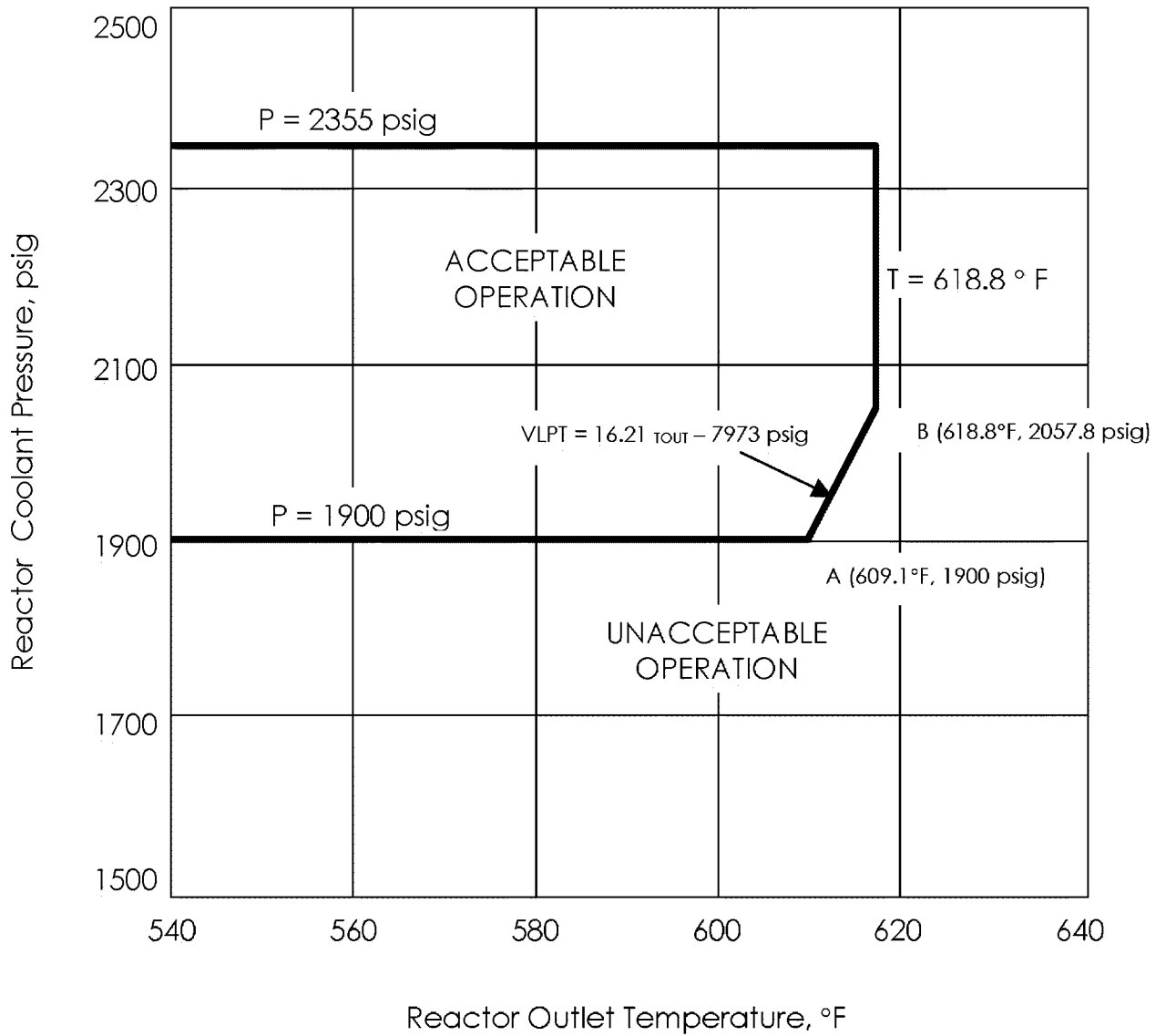
CURVE

1
2
3

REACTOR COOLANT FLOW (lb/hr)

139.8 x 10⁶
104.5 x 10⁶
68.8 x 10⁶

TMI UFSAR



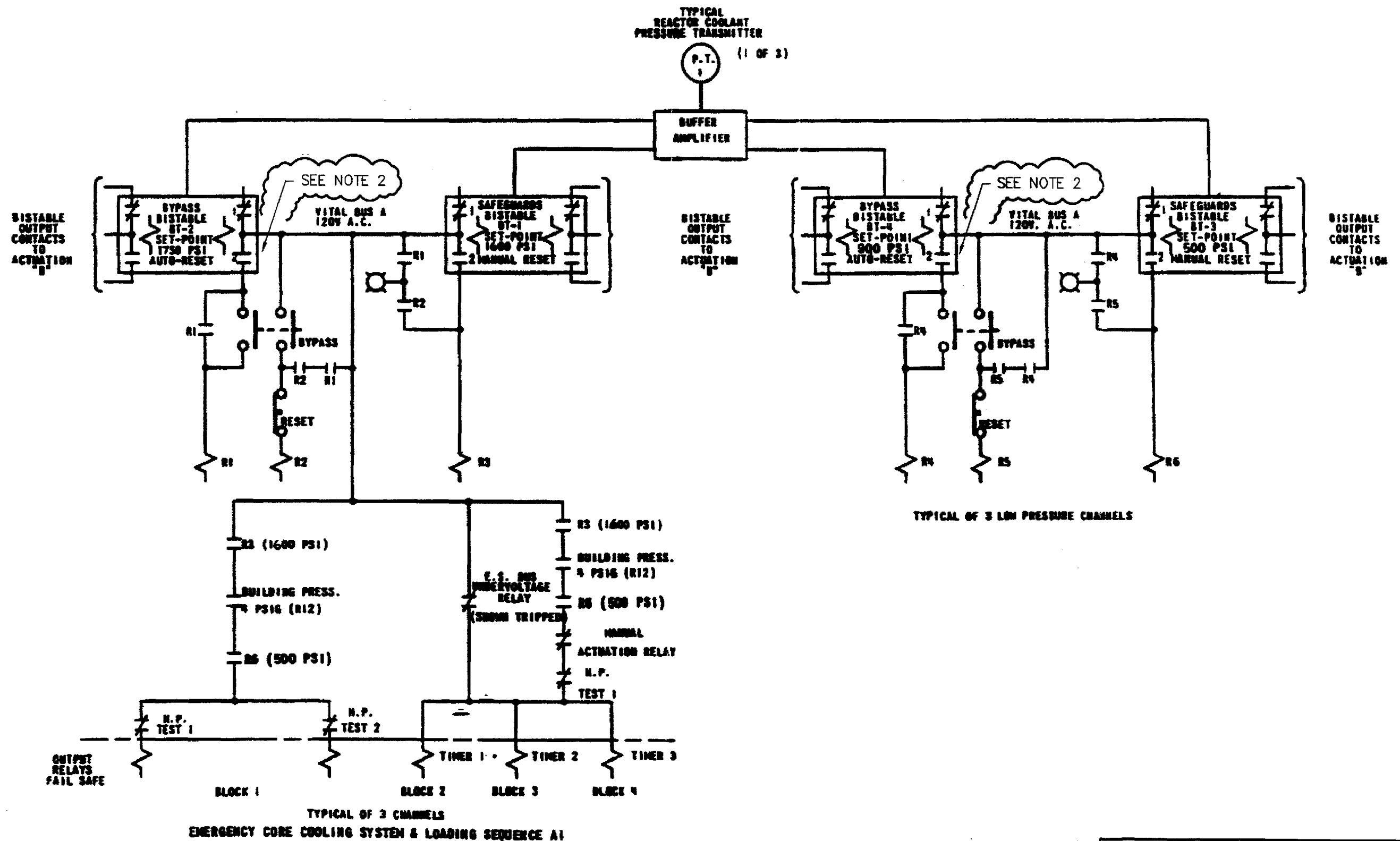
p.7.FIG-7

TMI - UNIT 1

REV. 19, APRIL 2008

Pressure Temperature Boundaries

FIGURE. 7.1-3



p.7.FIG-8

NOTES:

1) 2 OUT OF THREE LOGIC STARTS EACH AUXILIARY.

2) AN ADDITIONAL CONTACT THAT CLOSSES ON LOSS OF VITAL BUS C ALLOWS BYPASS OF CHANNEL B3. SEE FSAR SECTION 7.1.3.3.F

TMI - UNIT 1

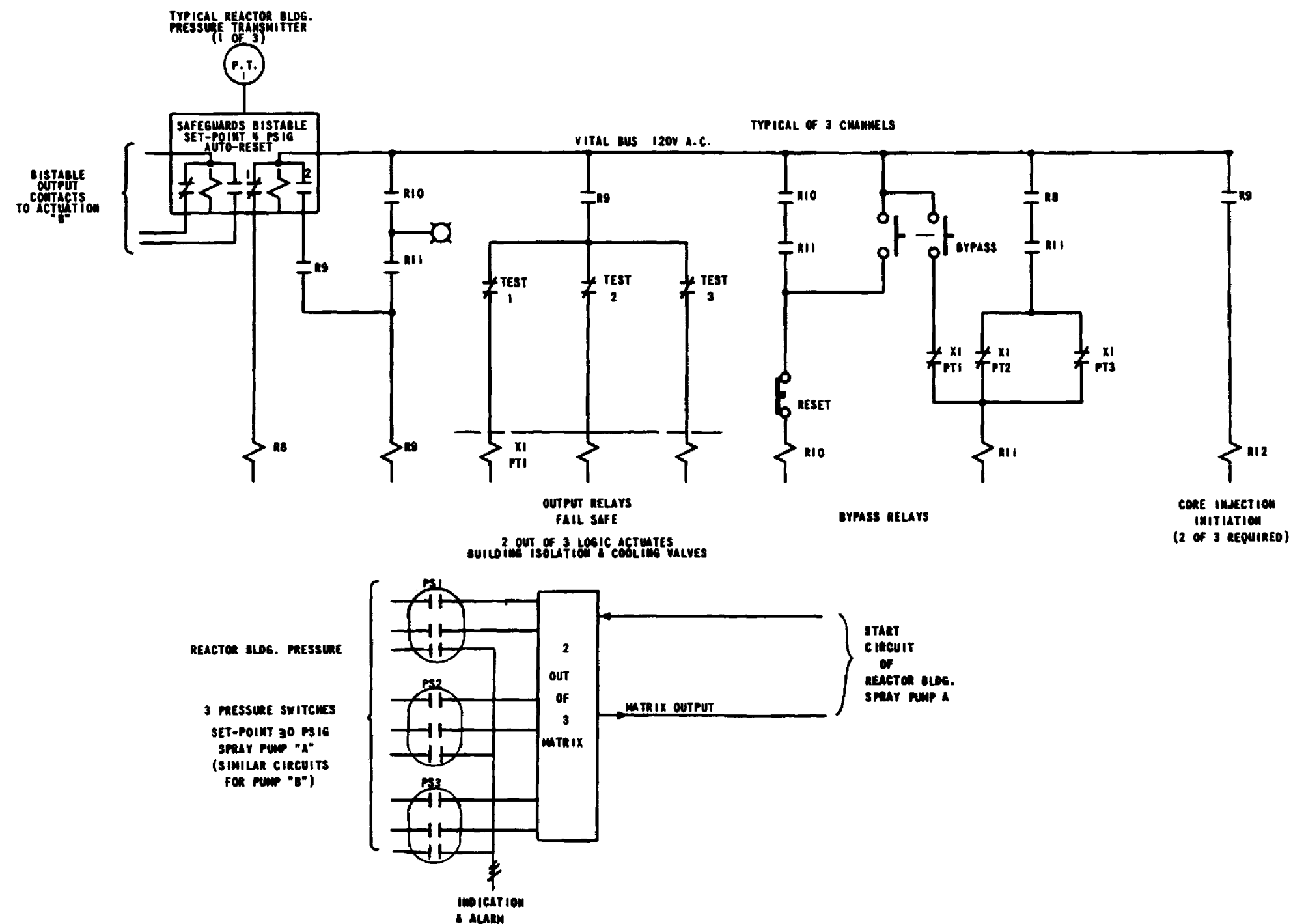
UPDATE - 14
04/98

**GPU
NUCLAR**

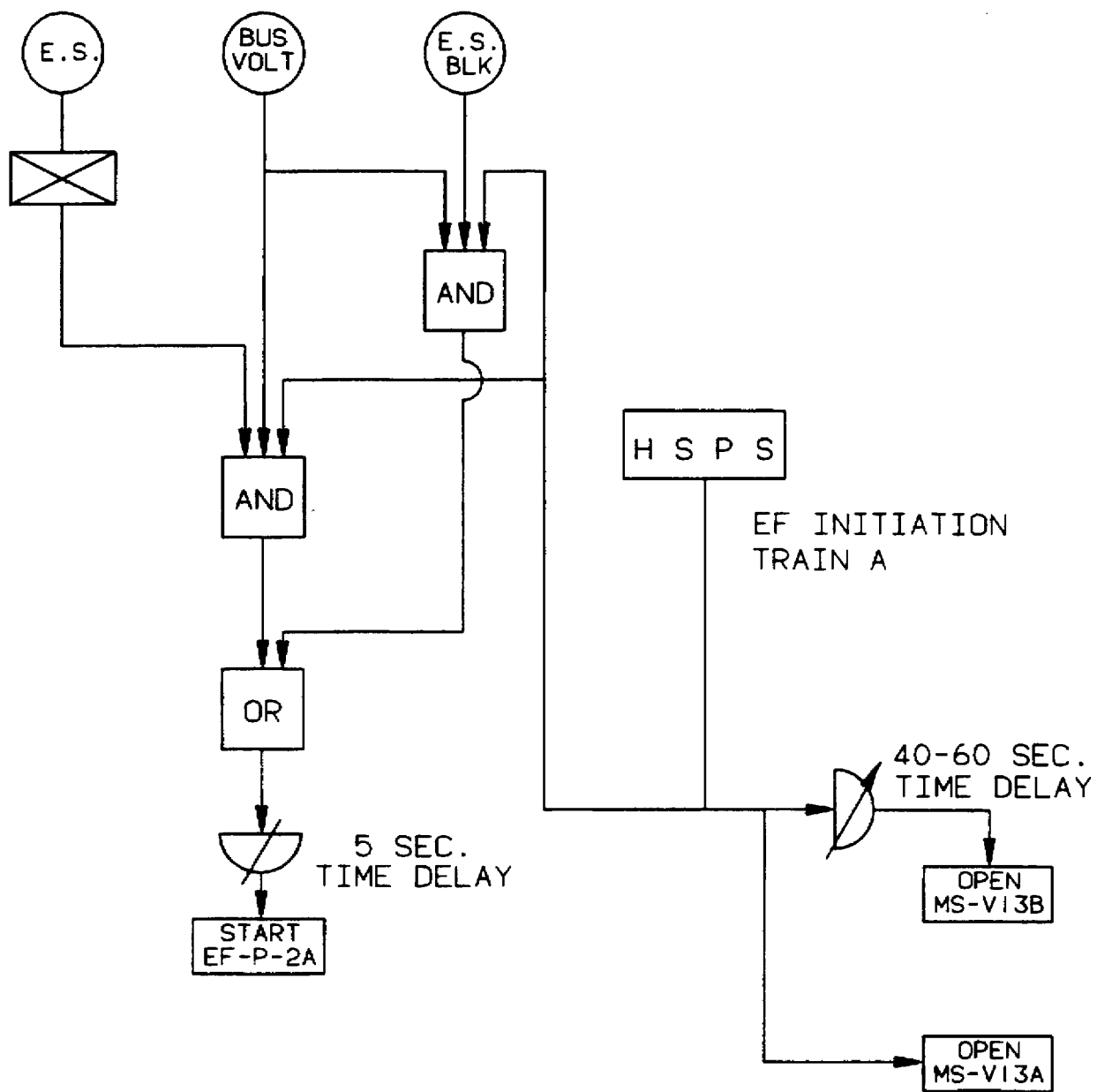
SAFEGUARDS ACTUATION SYSTEM

SHEET 1 OF 2
FIG 7.1-4

CAD FILE: 6514R14.DWG



p. 7.FIG-9



p.7.FIG-10

GPU Nuclear

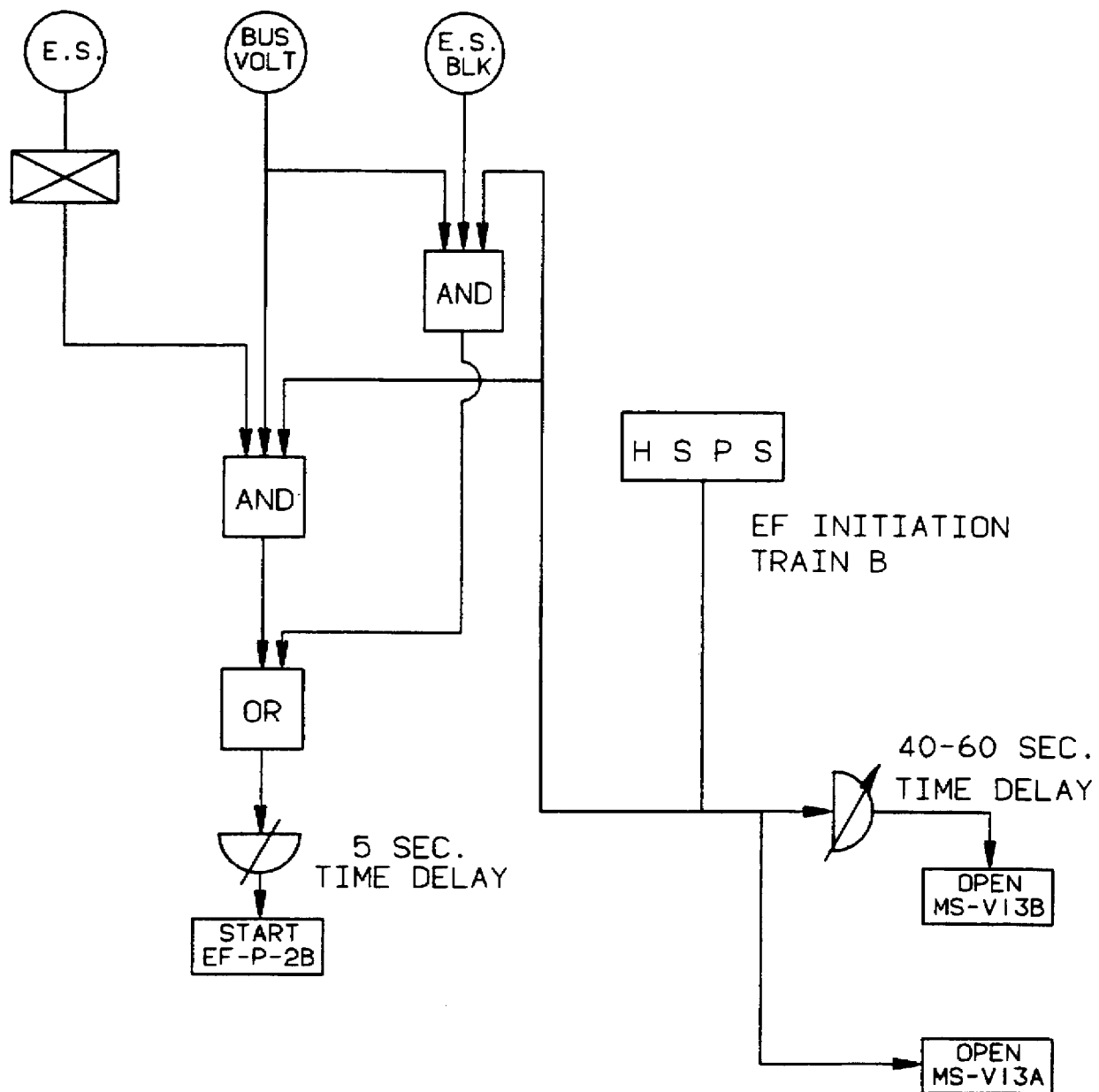
Update-12
3/94

TMI Unit 1

Logic Diagram for MS-V-13A/B and
EF-P2A Actuation

CADD #SIA,SKM,00,0297,000-,0001

Fig.7.1-5



p.7.FIG-11

GP Nuclear

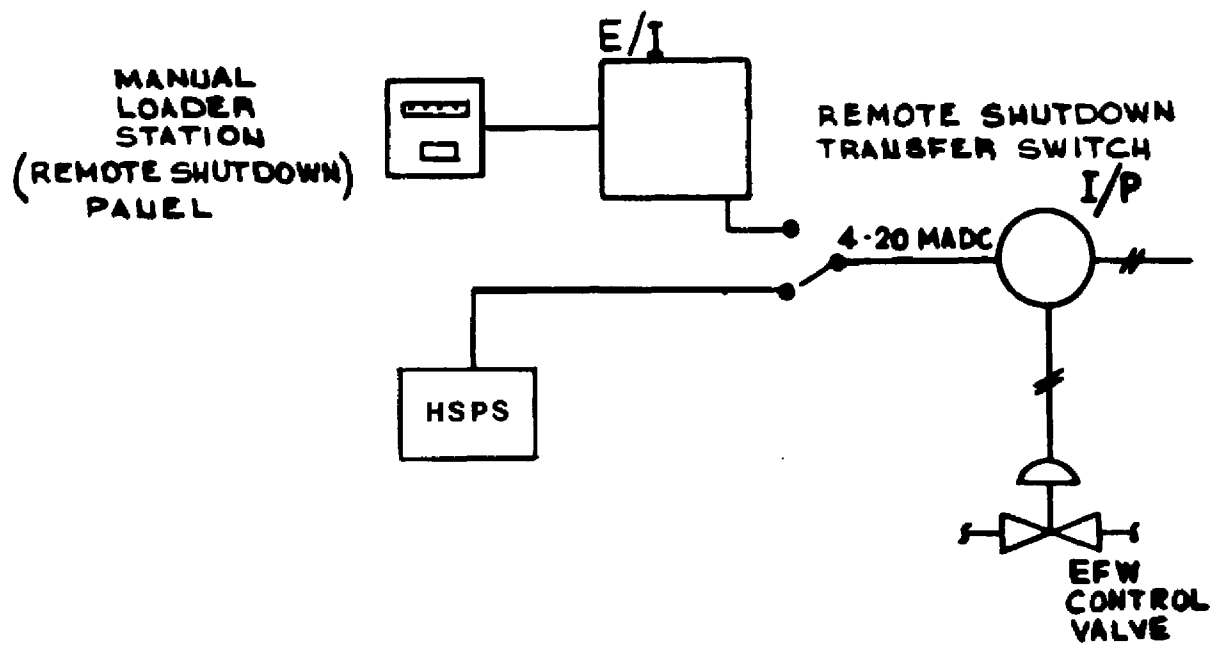
TMI Unit 1

Logic Diagram for MS-V-13A/B and
EF-P2B Actuation

CADD #SIA,SKM,00,0298,000-,0001

Update-12
3/94

Fig.7.1-6



GPU Nuclear

Update - 5

TMI Unit 1

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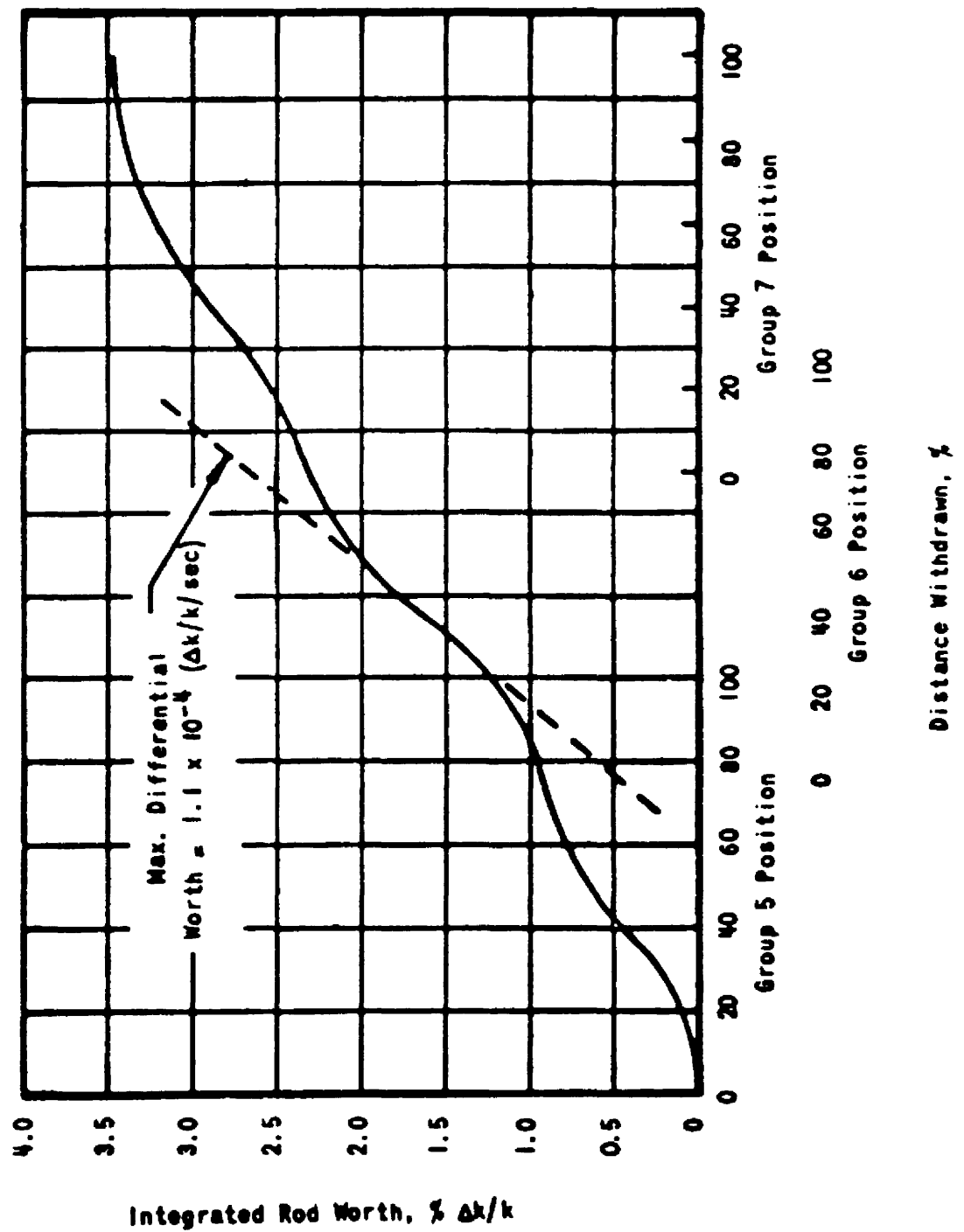
TMI-1 EFW Controls
(Typical for each EF Control Valve)

Fig. 7.1-7

TMI UFSAR

Figures 7.1-8 through 7.1-9

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p. 7.FIG-15

GPU Nuclear

Update - 1

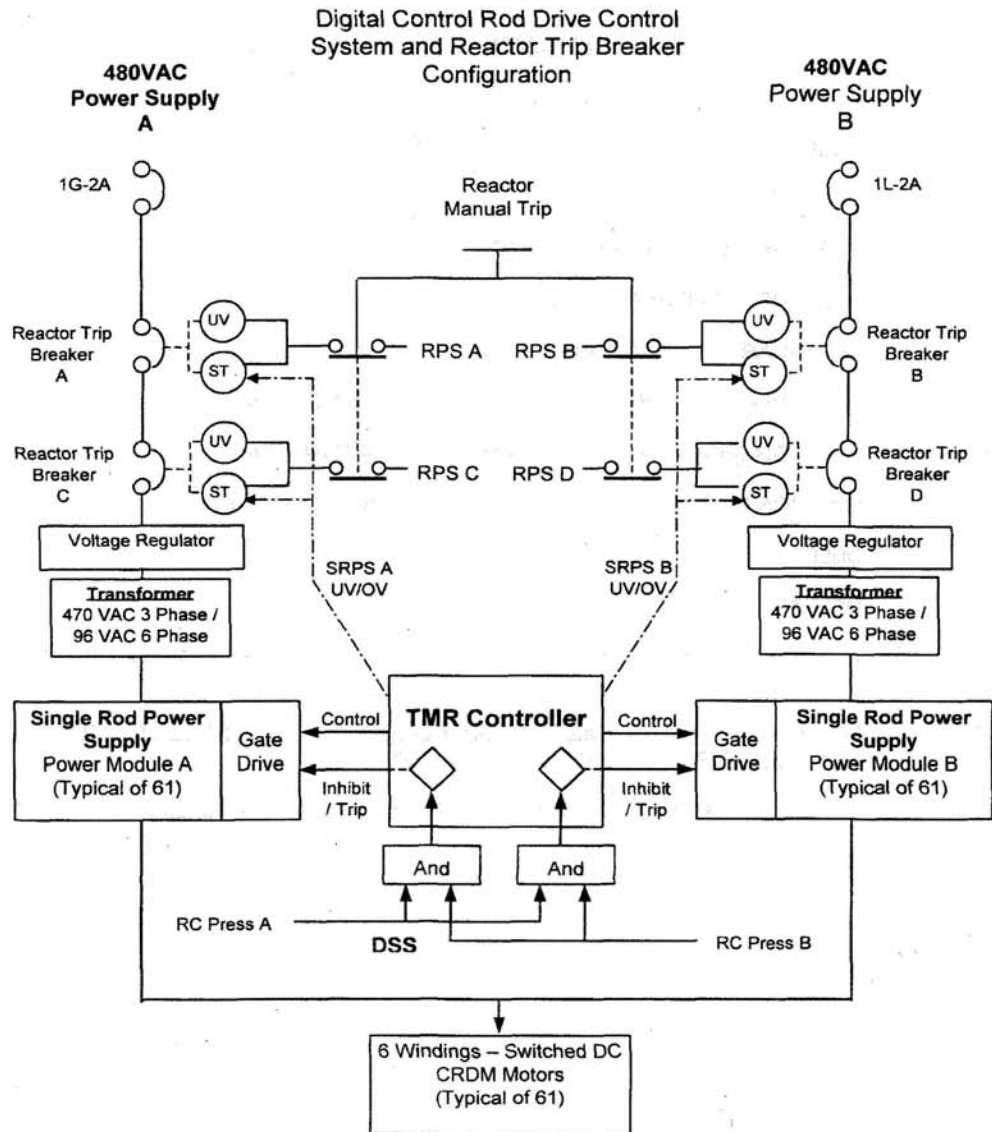
TMI Unit-1

7/82

Automatic Control Rod Groups — Typical
Worth Curve Versus Distance Withdrawn

Fig. 7.2-1

TMI-1 UFSAR



TMI - UNIT 1

Digital Control Rod Drive Control System
and Reactor Trip Breaker Configuration

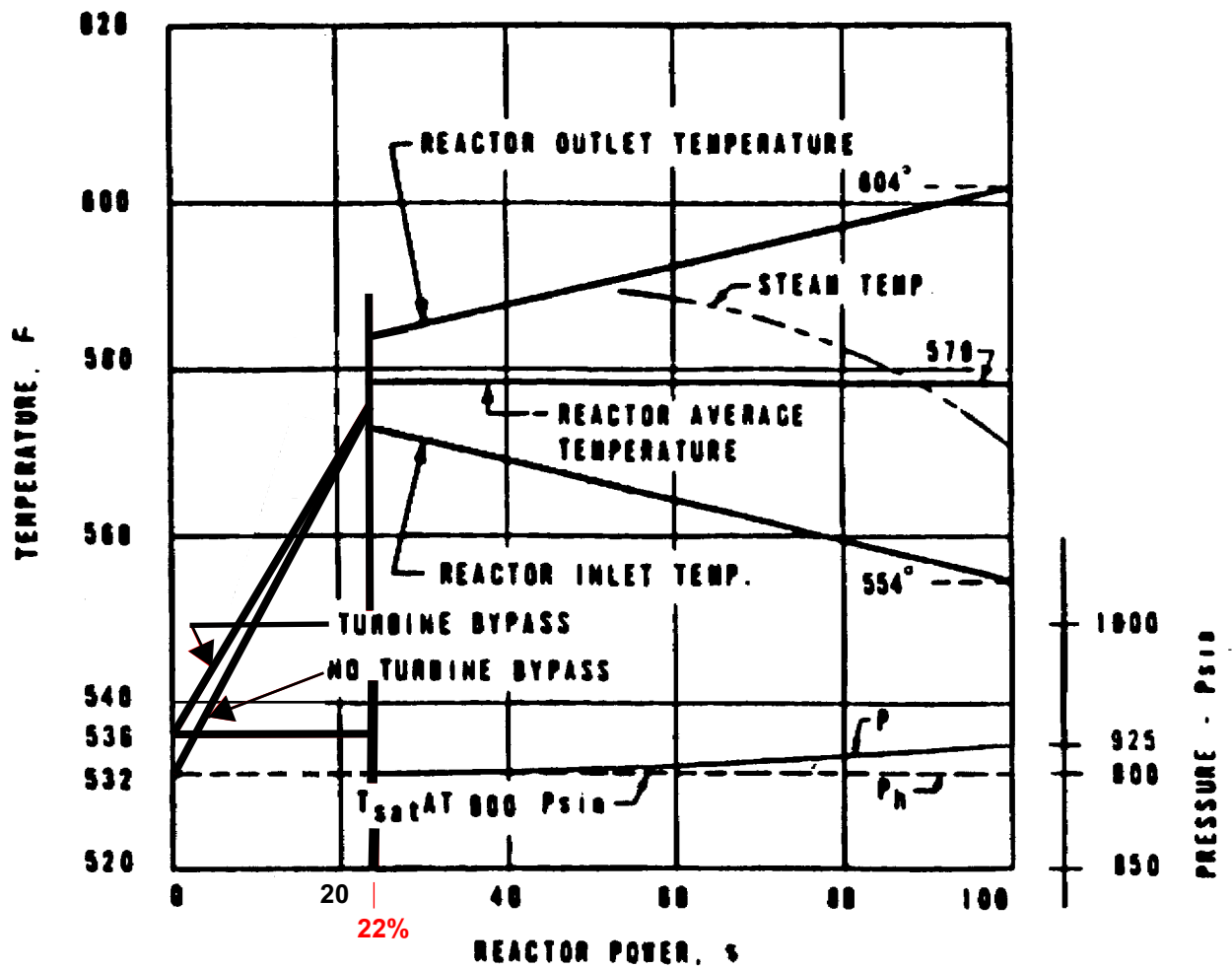
Figure 7.2-2

TMI-1 UFSAR

Figures 7.2-3 through 7.2-7

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REACTOR AND STEAM GENERATOR CHARACTERISTICS

P STEAM GENERATOR OUTLET PRESSURE

P_h TURBINE HEADER PRESSURE

TMI Unit-1

Reactor and Steam Temperatures Versus
Reactor Power

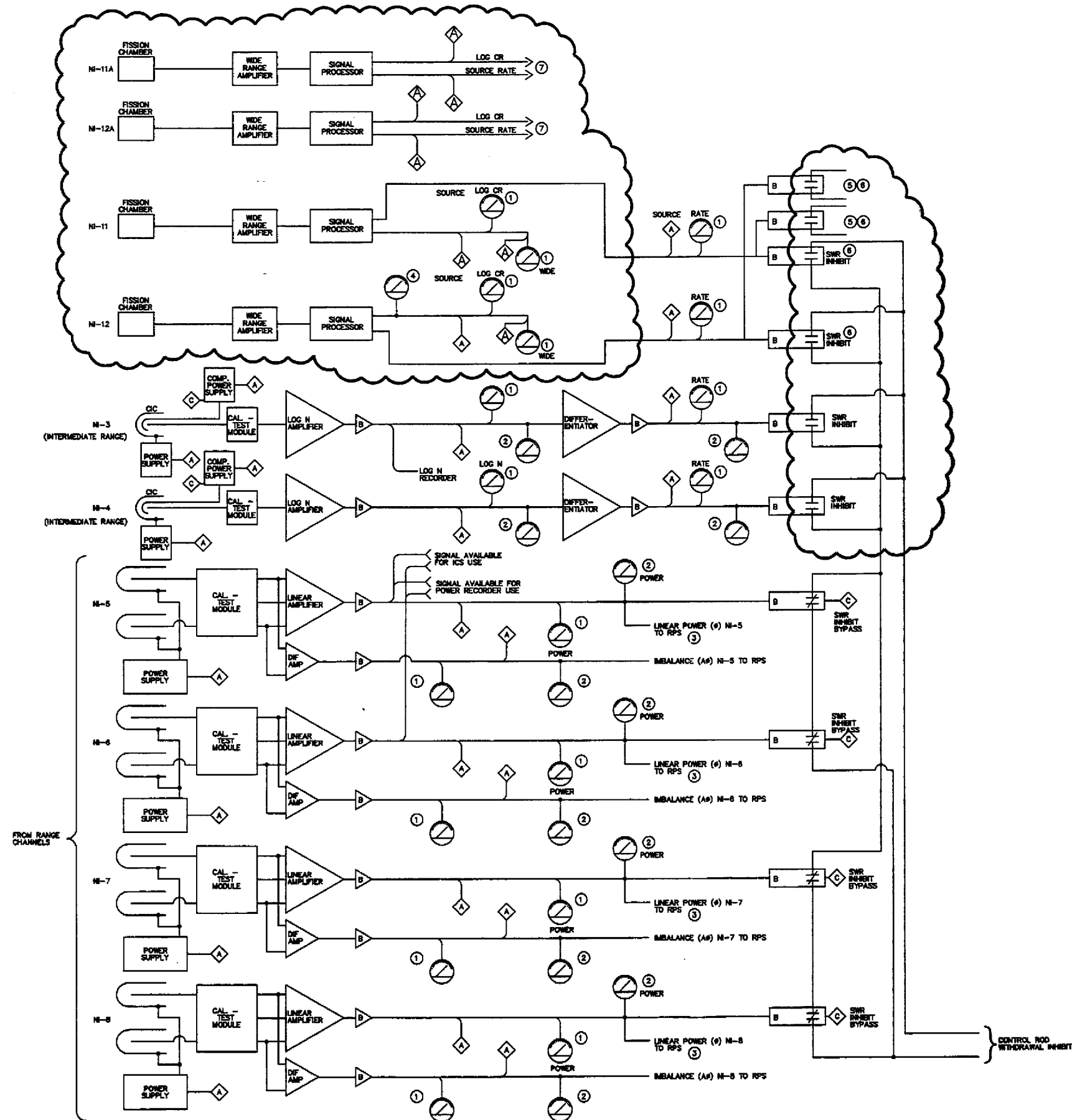
Update 23 - 04/16

Fig. 7.2-8

TMI UFSAR

Figure 7.2-9

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LEGEND:

B — BISTABLE TRIP UNIT

— METER

— BUFFER
CONNECTED TO A SINGLE ISOLATED OUTPUT
PARALLEL CONNECTIONS TO A SINGLE ISOLATED OUTPUT

A — COMPUTER MONITORED ANALOG SIGNAL

C — COMPUTER MONITORED CONTACTS

NOTES:

① — LOCATED ON CONTROL CONSOLE.

② — LOCATED LOCALLY IN CHANNEL MODULE.

③ — FOR CONTINUATION SEE FIGURE 7-1.

④ — REMOTE SHUTDOWN PANEL.

⑤ — REACTOR BUILDING EVACUATION ALARM.

⑥ — LOCATED IN SIGNAL PROCESSOR.

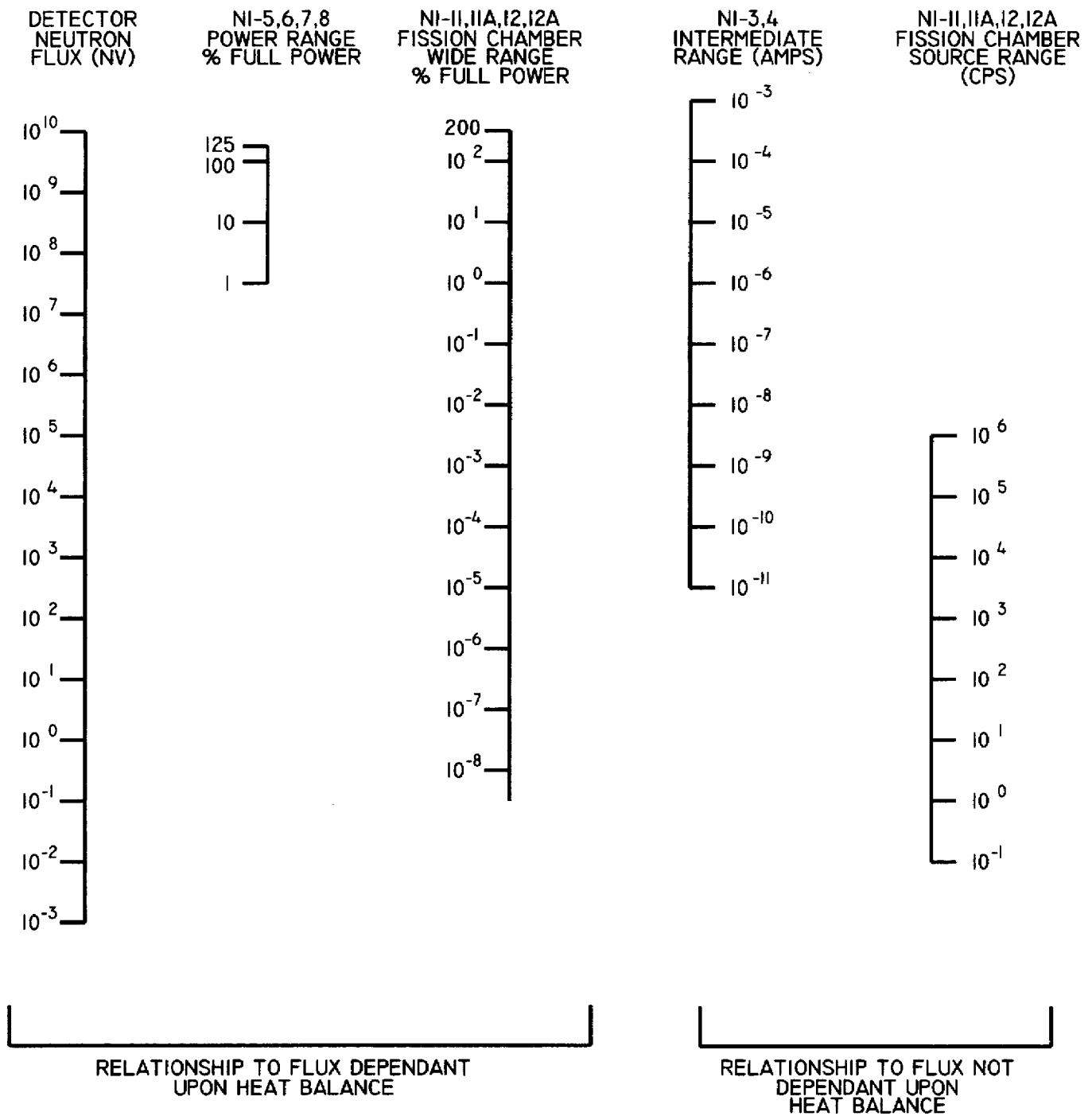
⑦ — SPARE SOURCE RANGE CHANNELS WITH CROSS CONNECTION CAPABILITY TO NI-11 AND NI-12.

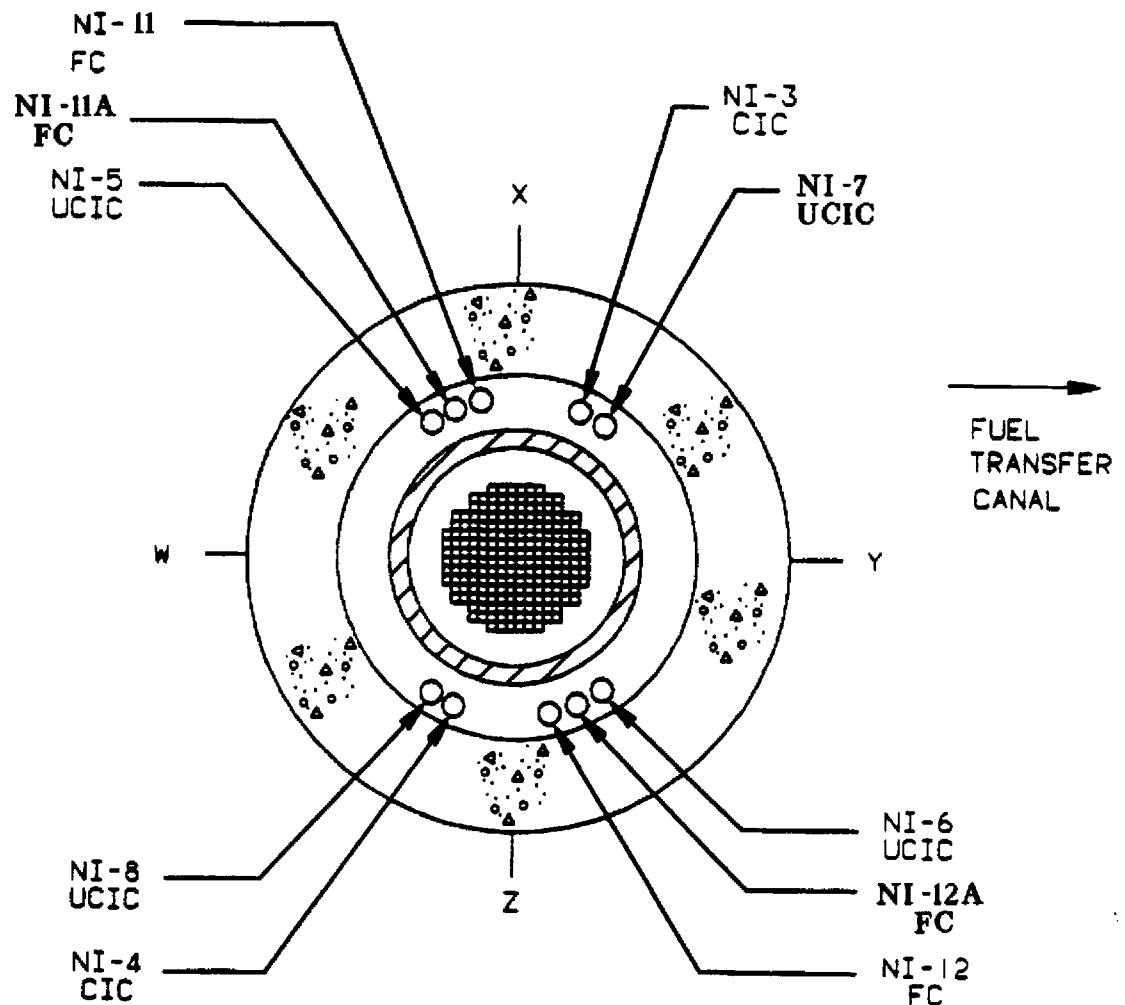
TMI - UNIT I
UPDATE - 14
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NUCLEAR INSTRUMENTATION SYSTEM

CAD FILE: 6515R14.DWG

FIG 7.3-1





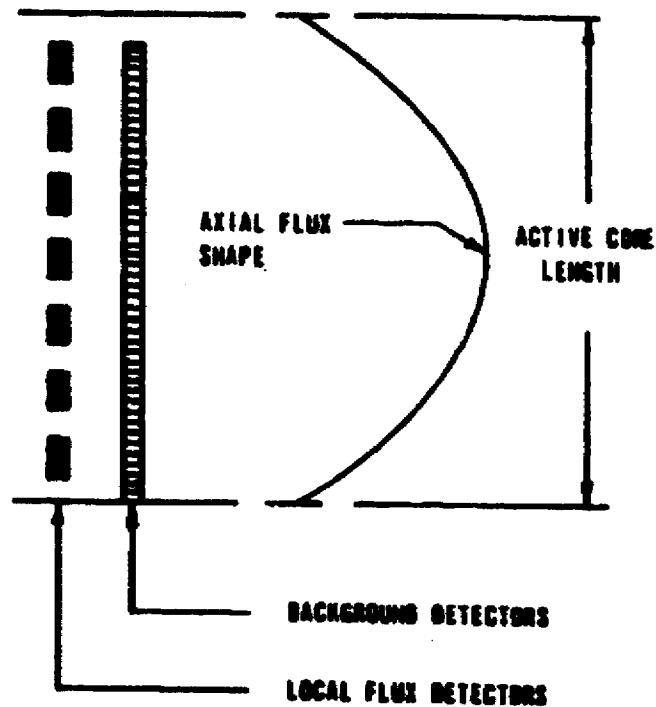
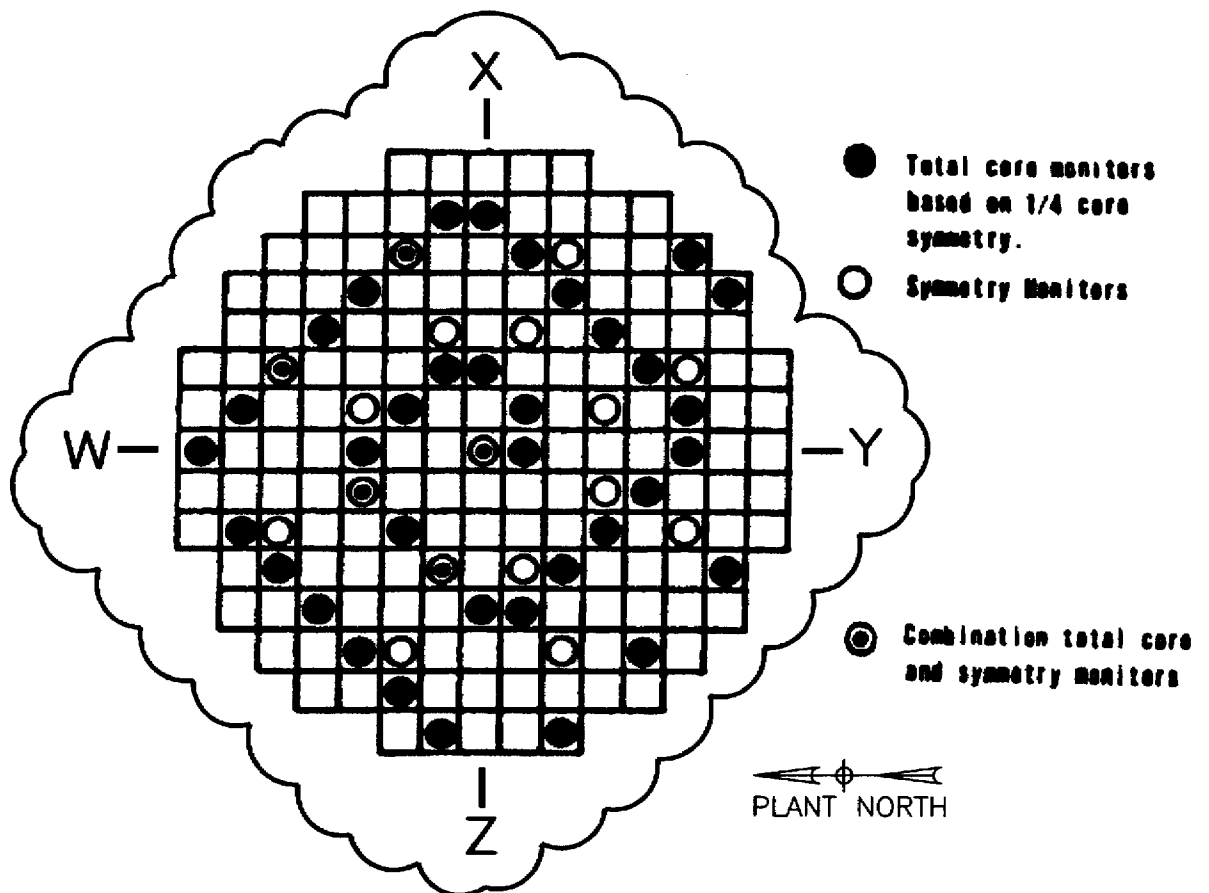
LEGEND

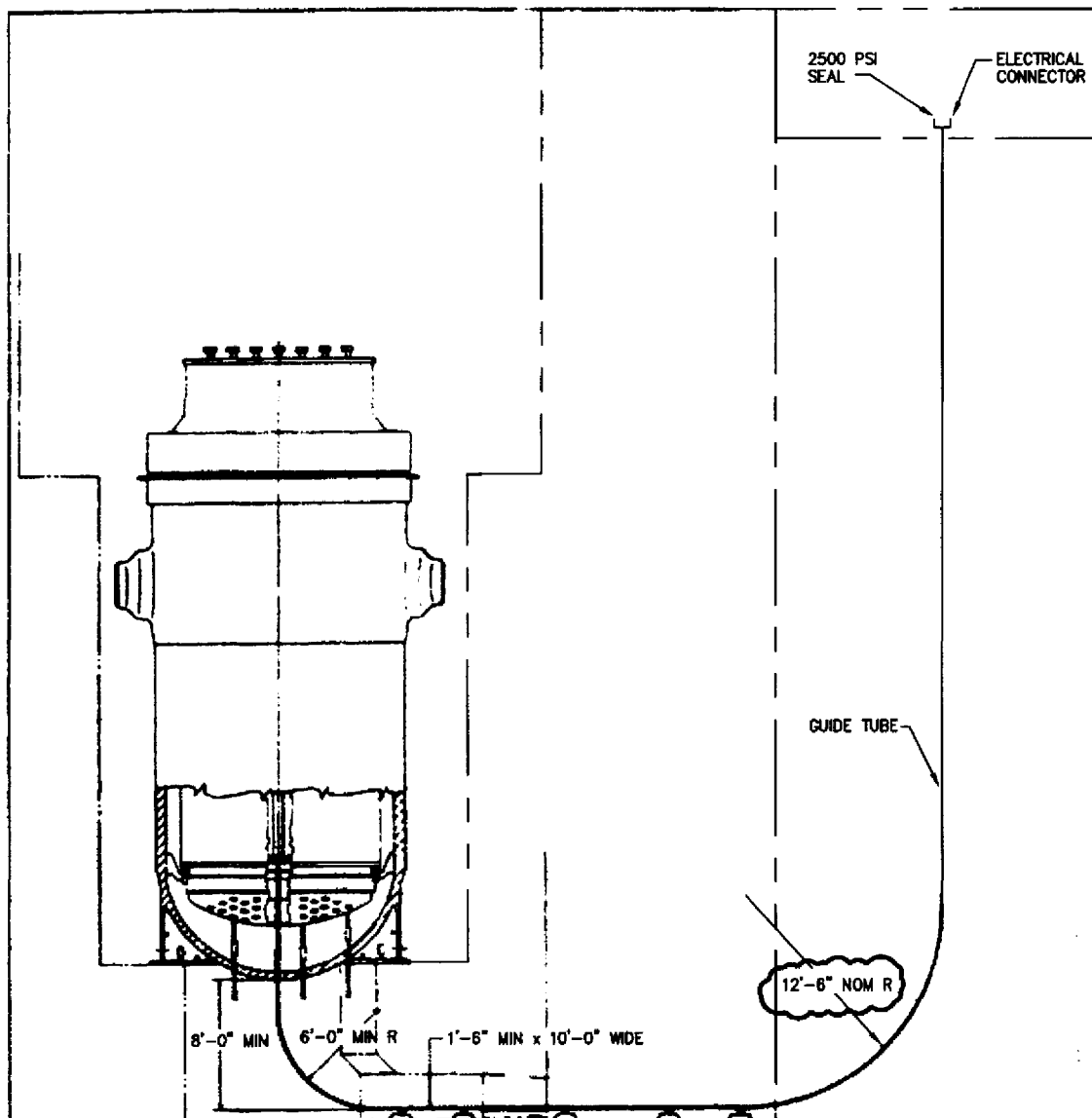
- CIC - COMPENSATED ION CHAMBER - INTERMEDIATE
RANGE DETECTOR
- UCIC - UNCOMPENSATED ION CHAMBER - POWER
RANGE DETECTOR
- FC - FISSION CHAMBER - WIDE
RANGE DETECTOR

TMI UFSAR


Figures 7.3-4 through 7.3-5

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P. 7.FIG.-33

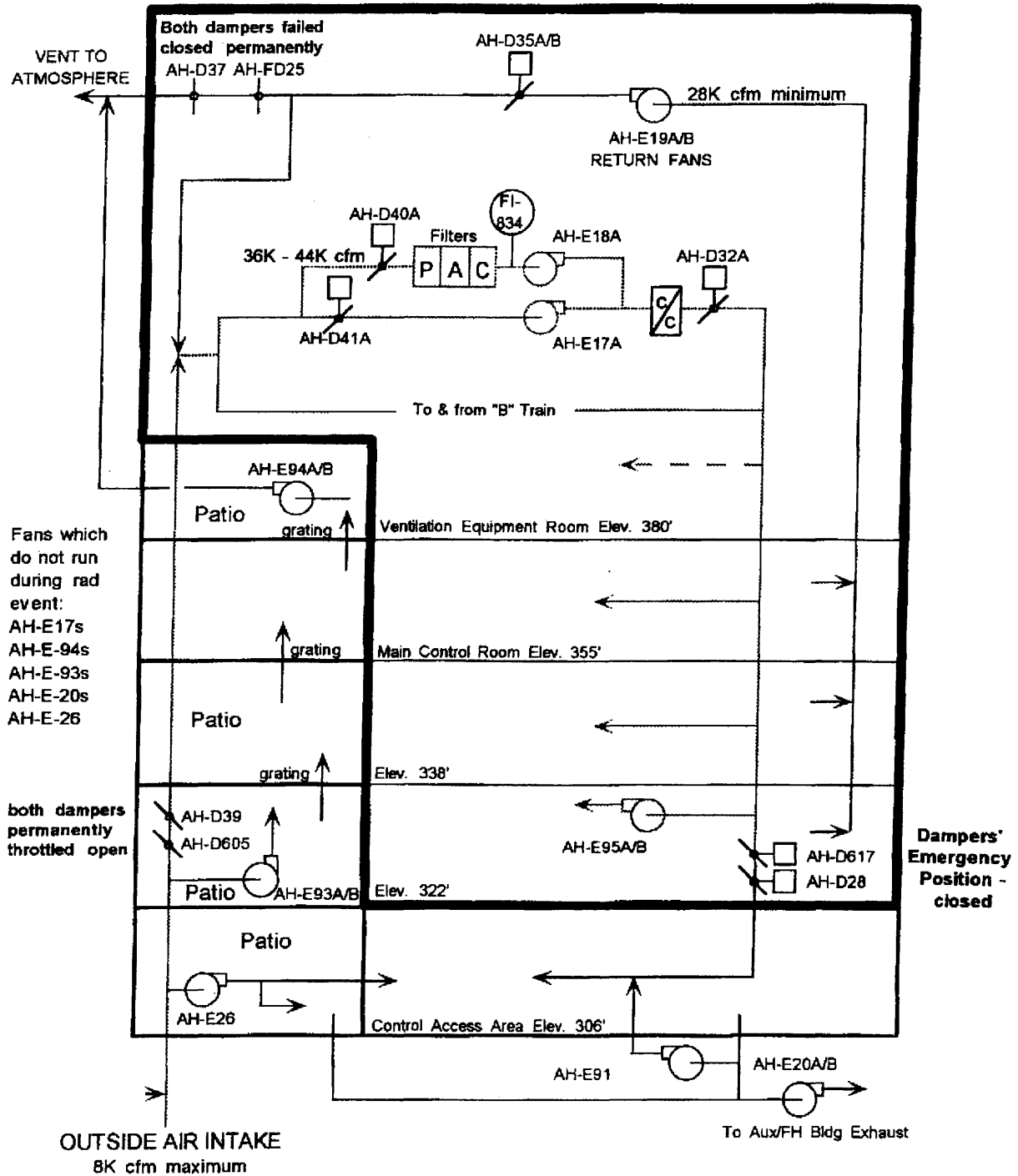
	TMI - UNIT 1	UPDATE - 14
		04/98
INCORE MONITORING CHANNEL		
CAD FILE: 6517RI4.DWG		FIG 7.3-7

TMI UFSAR

Figure 7.4-1

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CONTROL BUILDING ENVELOPE



TMI-1 CONTROL BUILDING VENTILATION SYSTEM

(Simplified drawing)

TMI Unit 1

Update - 16
4/02

Control Building Ventilation System