

**GPU Nuclear**

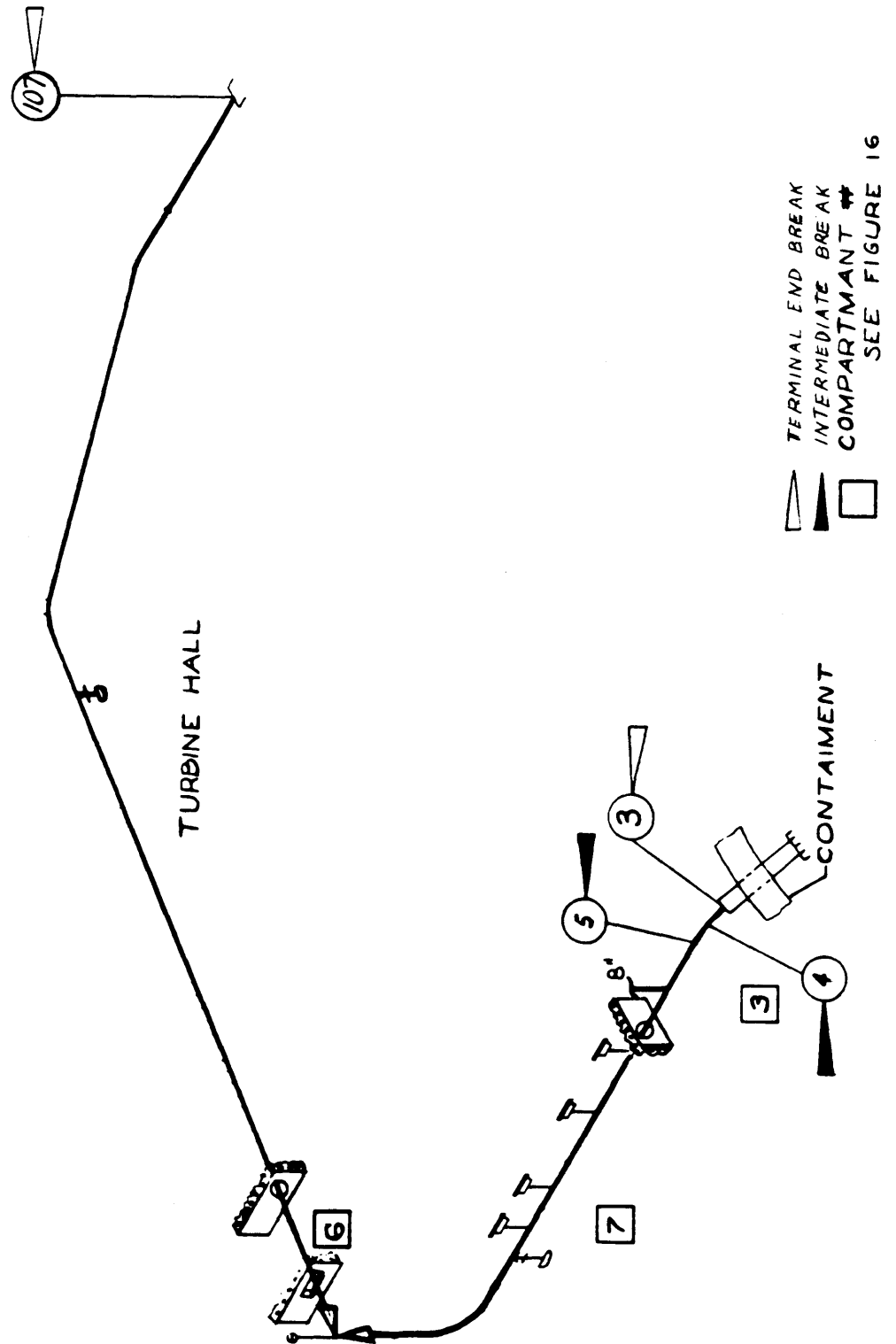
**TMI Unit-1**

**Main Steam from Reactor Building  
Penetration No. 112 to Stop Valve SV-4**

**Update - 1**

**7/82**

**Fig. 14A-6**



**GPU Nuclear**

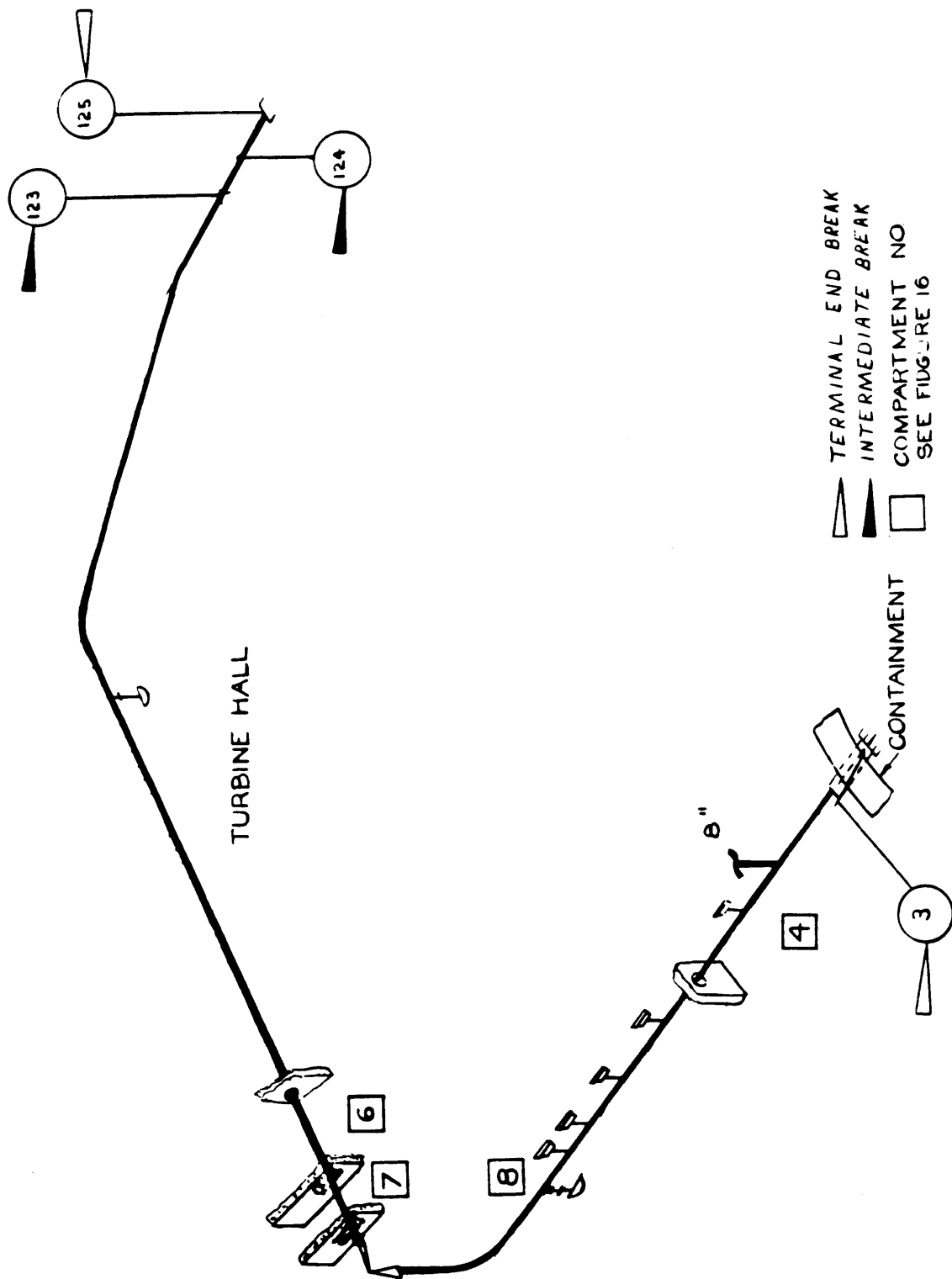
Update - 1

**TMI Unit-1**

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Main Steam from Reactor Building  
Penetration No. 113 to Stop Valve SV-3

Fig. 14A-7



**GPU Nuclear**

Update - 1

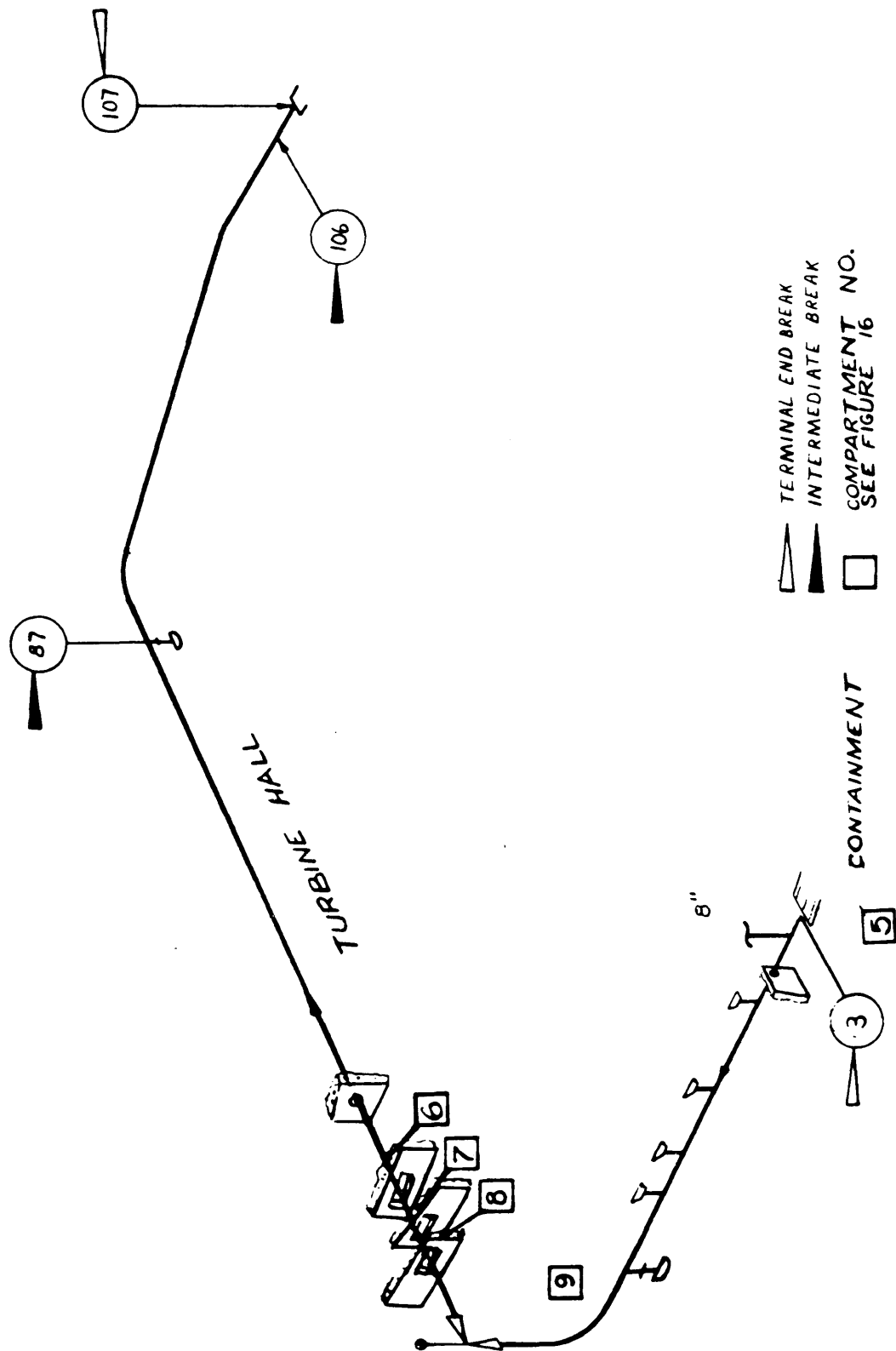
**TMI Unit-1**

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Main Steam from Reactor Building  
Penetration No. 114 to Stop Valve SV-2

Fig. 14A-8





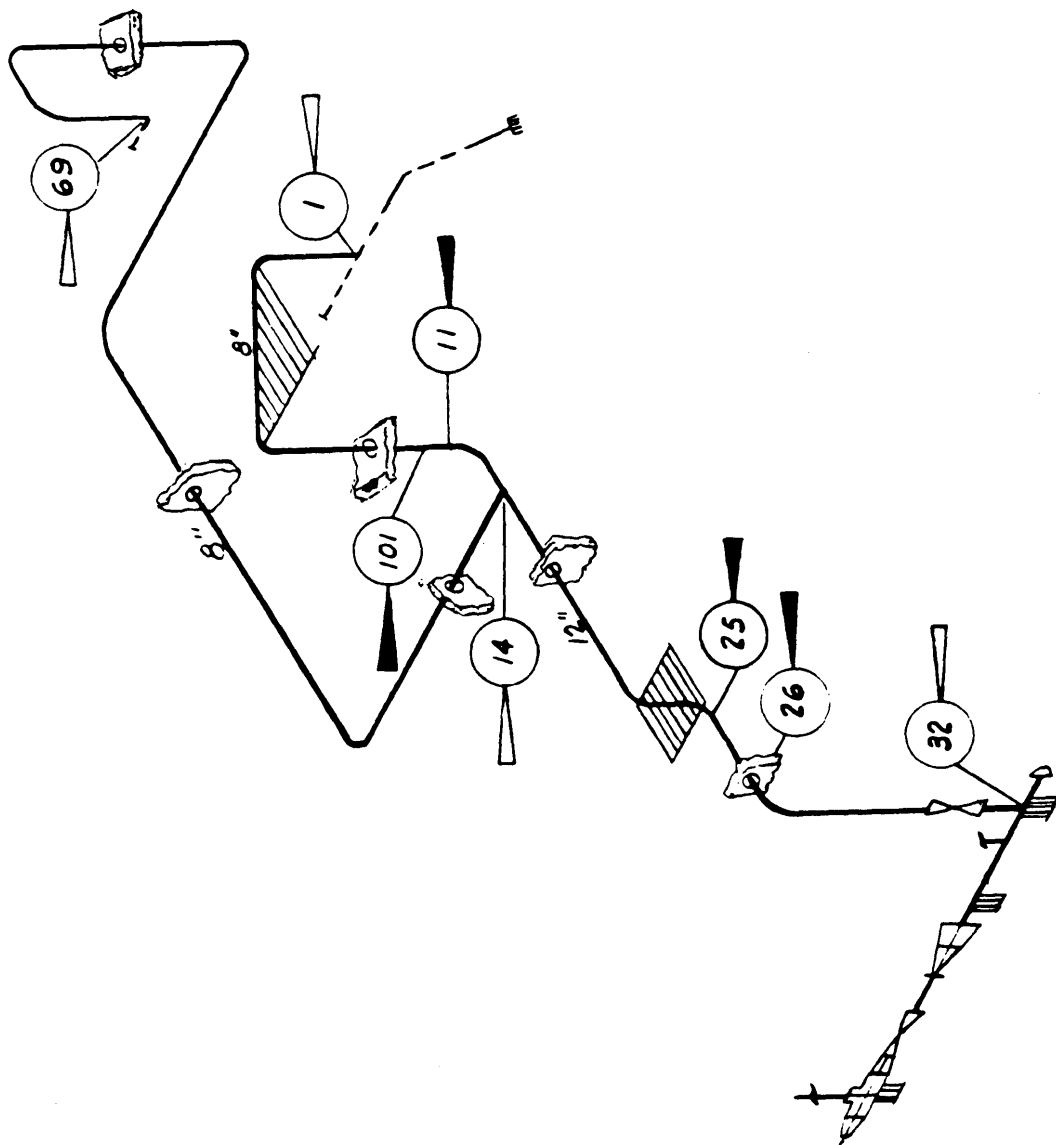
**GPU Nuclear**

**TMI Unit-1**

**Update - 1**

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**Main Steam from Reactor Building  
Penetration No. 419 to Stop Valve SV-1**



**GPU Nuclear**

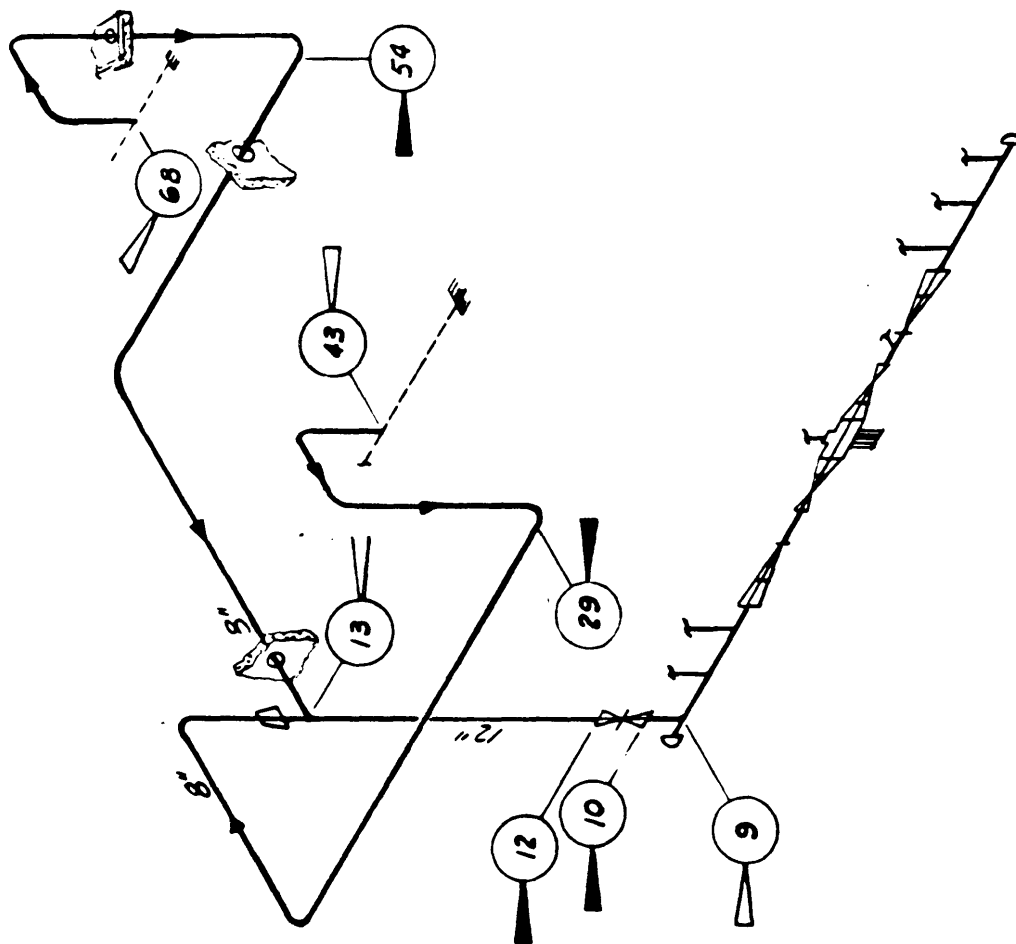
**Update - 1**

**TMI Unit-1**

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**Main Steam from Steam Generator-A  
to Emergency Feedwater Pump Turbine**

**Fig. 14A-10**



**GPU Nuclear**

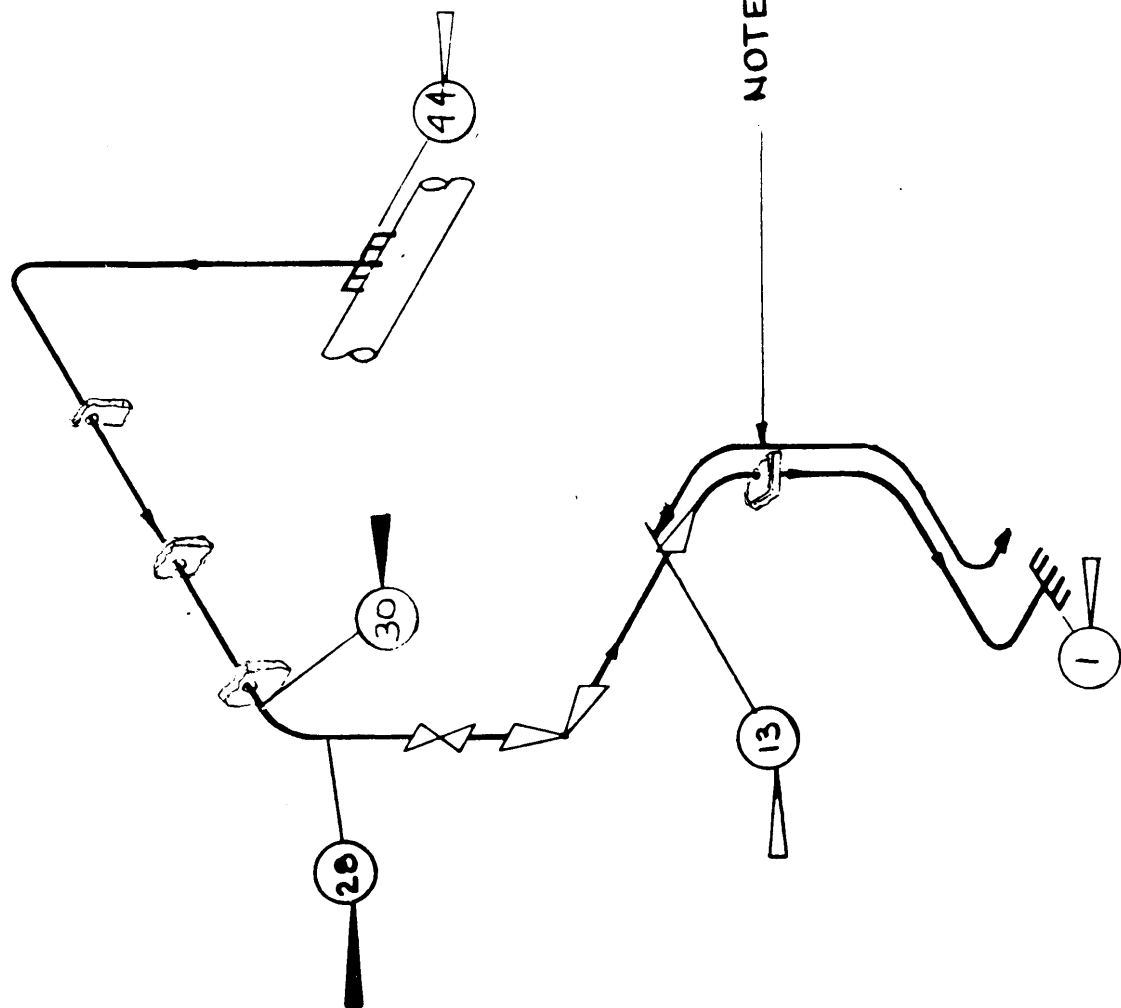
**TMI Unit-1**

**Main Steam from Steam Generator-B  
to Header at Elevation 297 Ft-0 In.**

**Update - 1**

**7/82**

**Fig. 14A-11**



**GPU Nuclear**

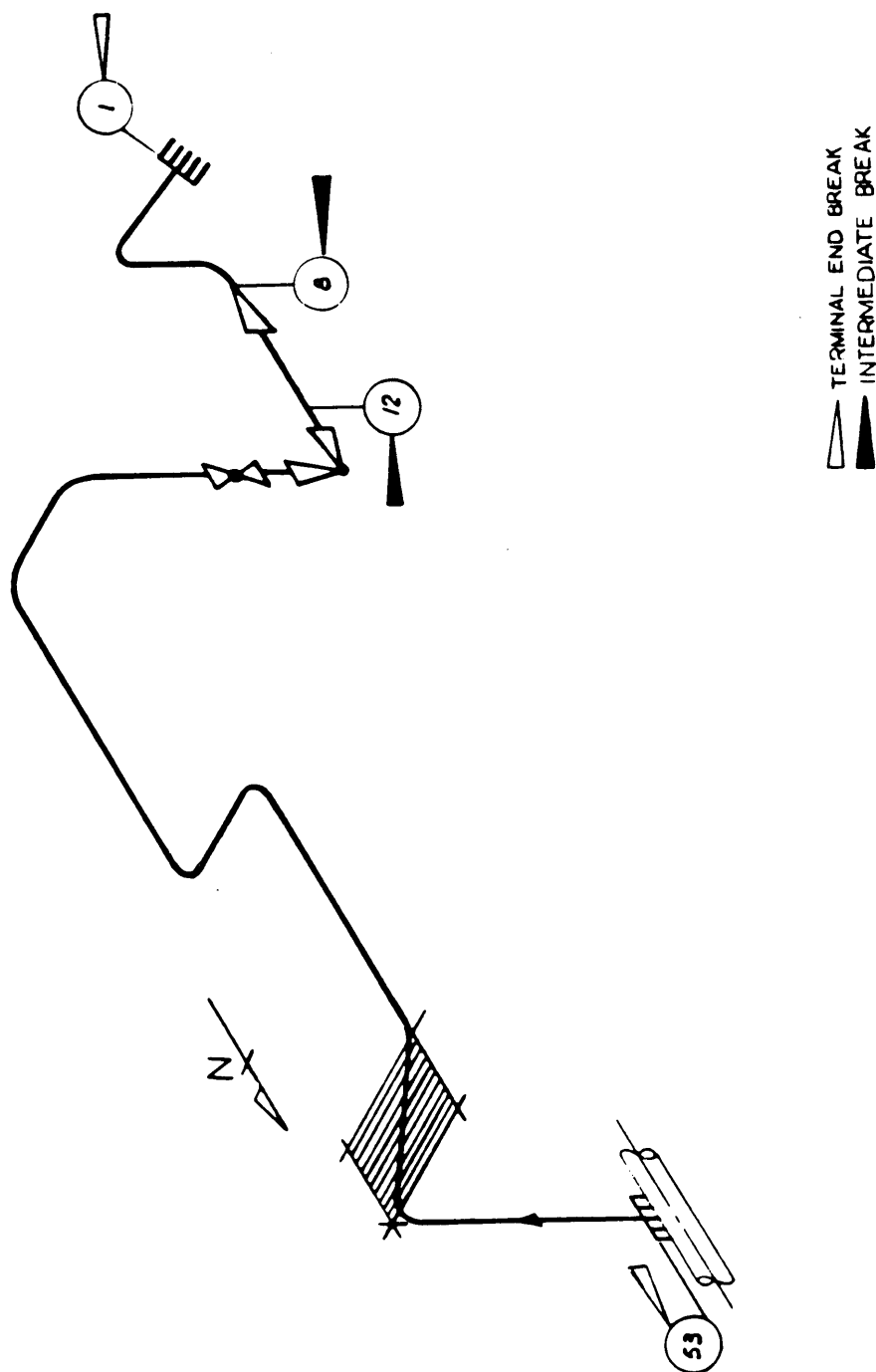
**TMI Unit 1**

**Feedwater from 30 in. Header  
to Penetration No. 103**

**Update - 5**

**7/86**

**Fig. 14A-12**



**GPU Nuclear**

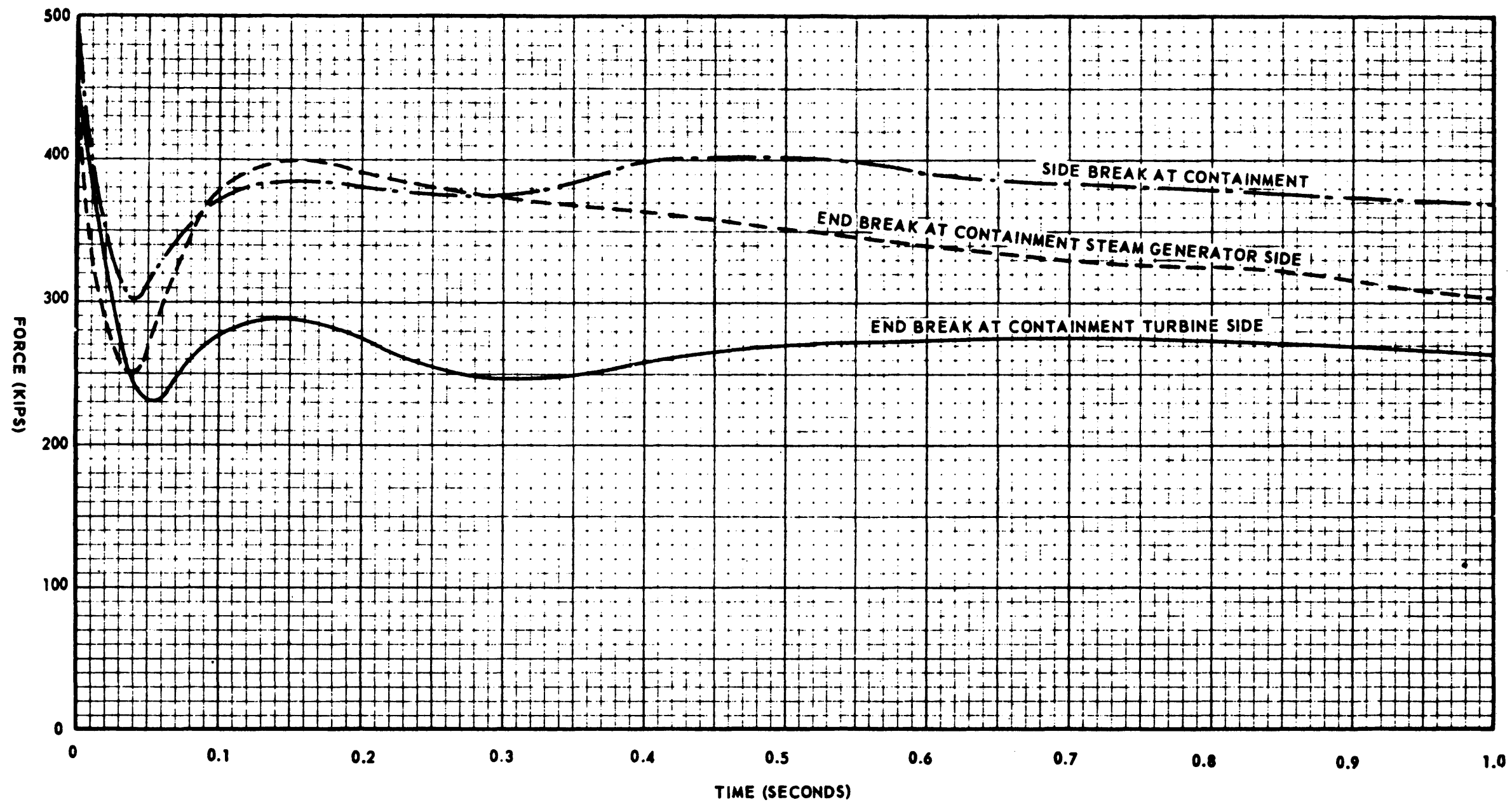
**TMI Unit-1**

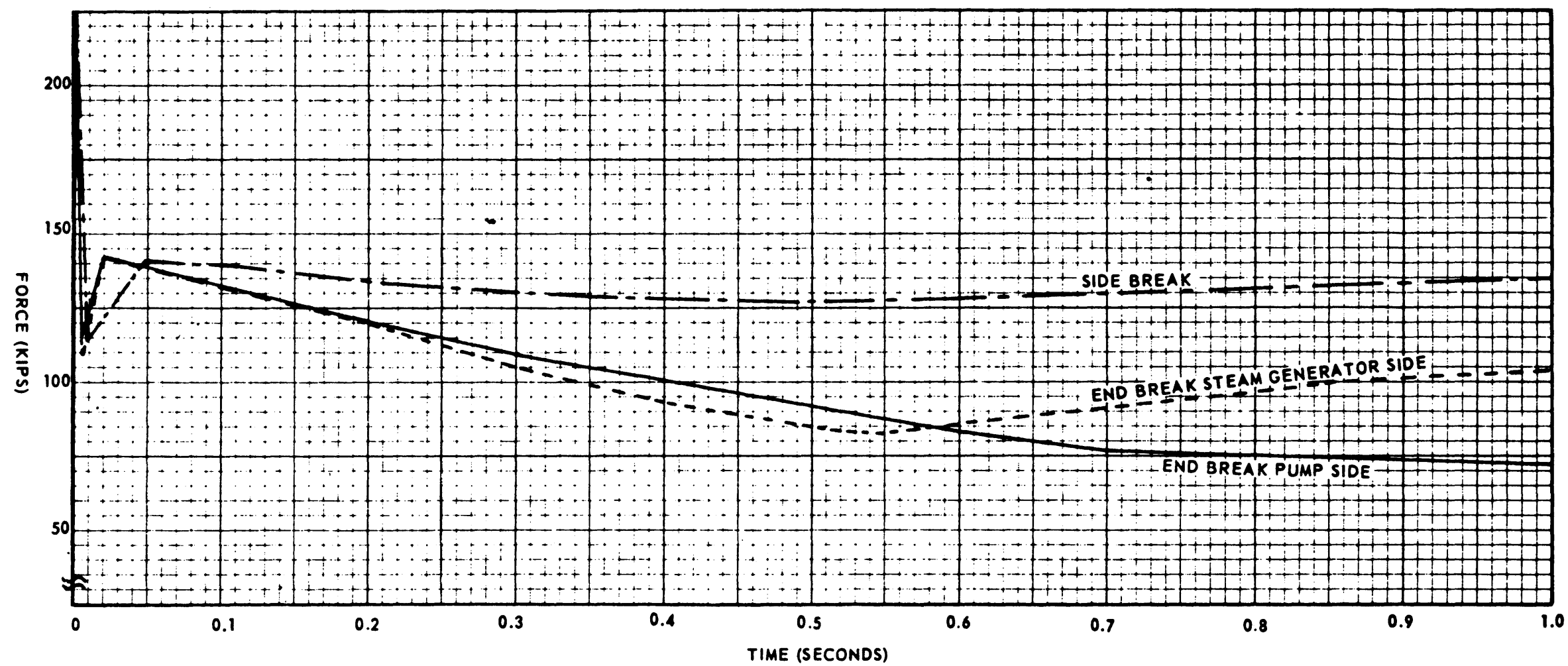
Feedwater from 30 In. Header  
to Penetration No. 227

Update - 1

7/82

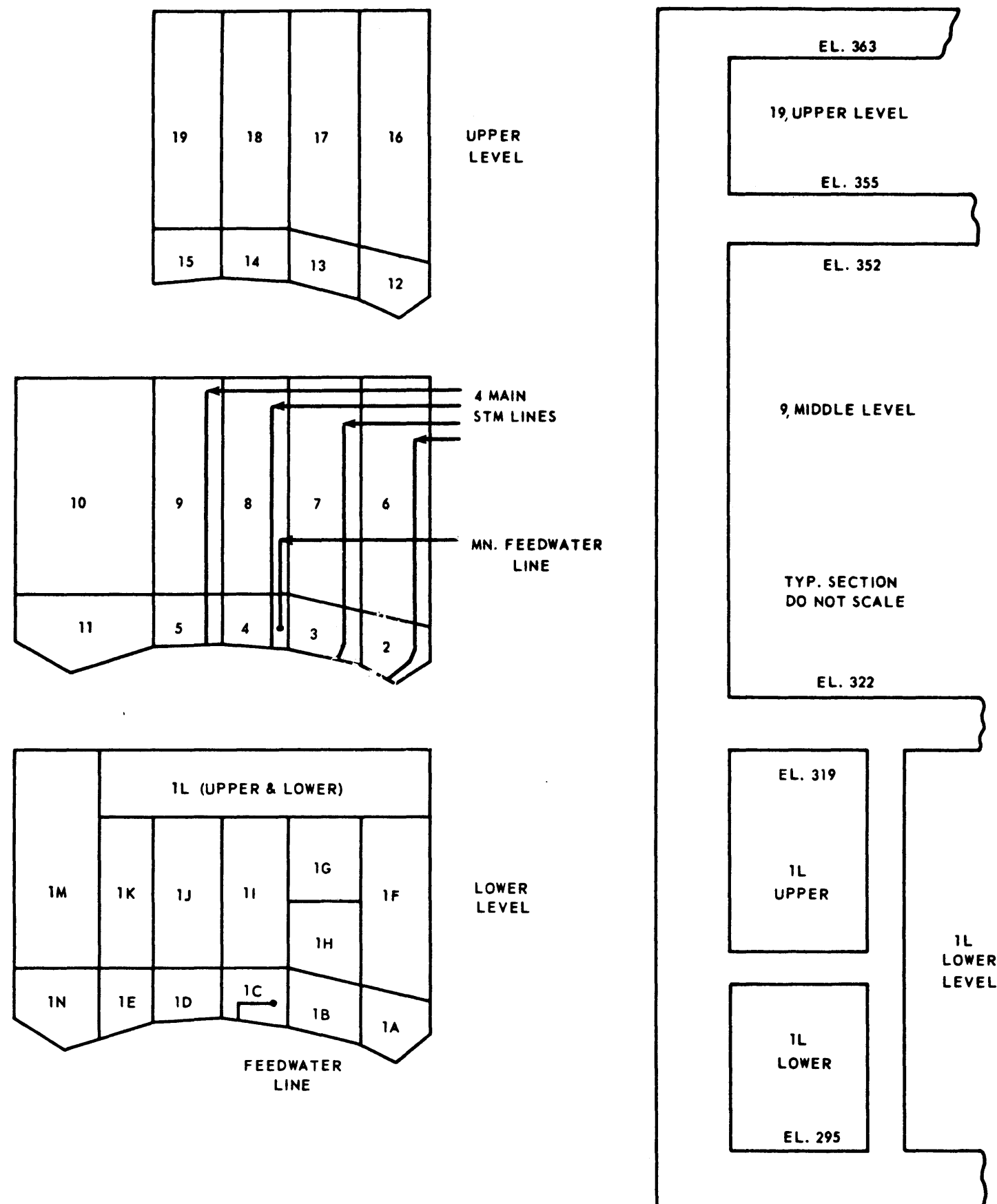
Fig. 14A-13





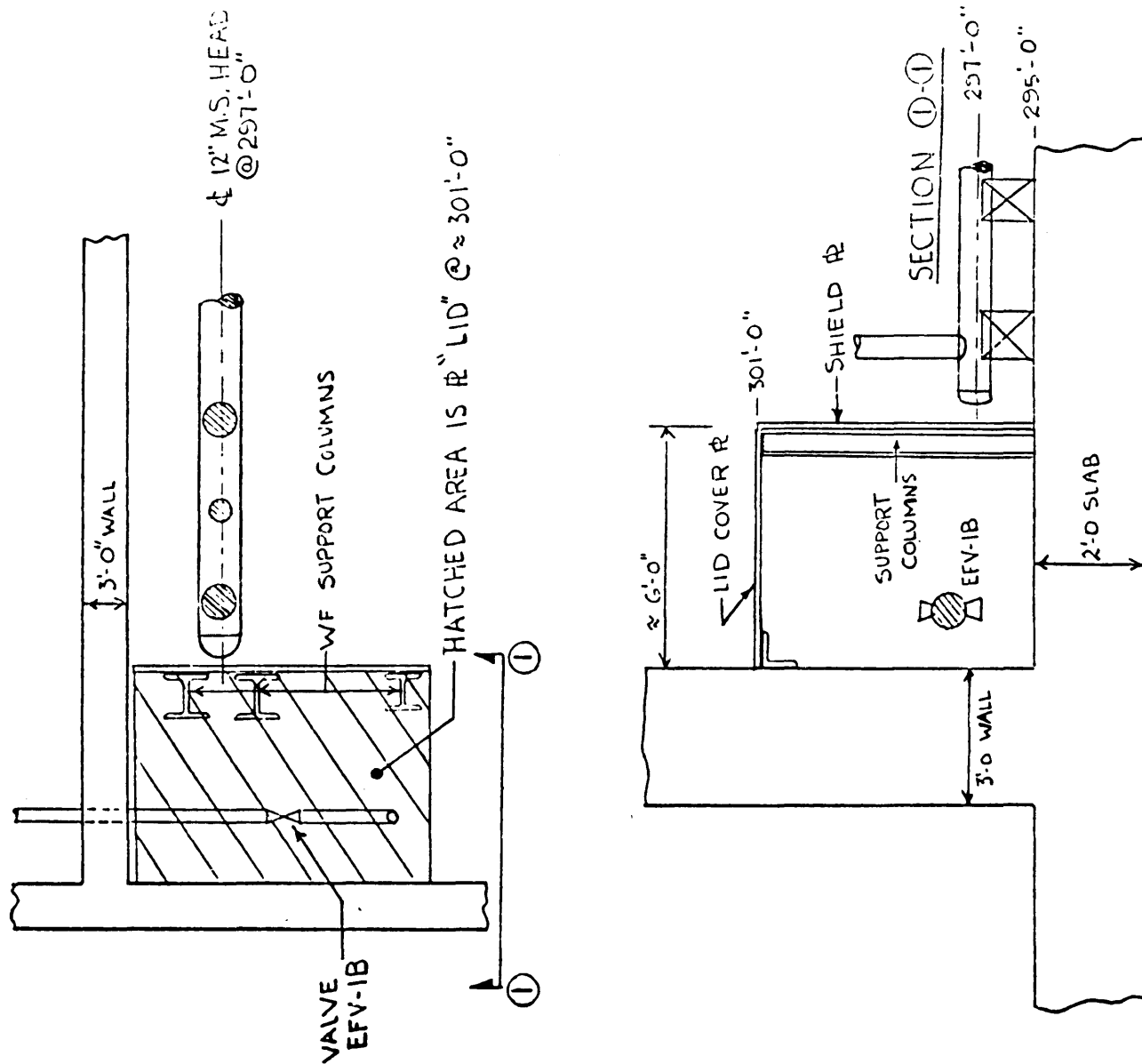
p. 14A.FIG-15

<b>GPU Nuclear</b> <b>TMI Unit-1</b> Main Feedwater Blowdown Thrust Break at Containment 3T24	Update -1
	7/82
	Fig. 14A-15



p. 14A.FIG-16





**GPU Nuclear**

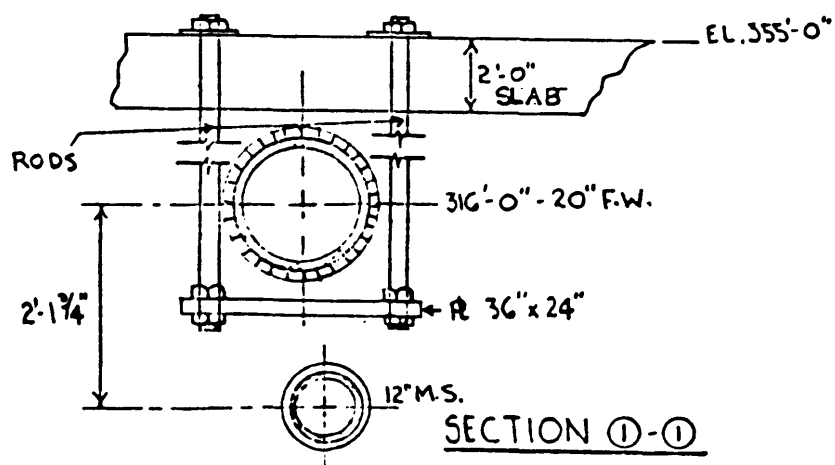
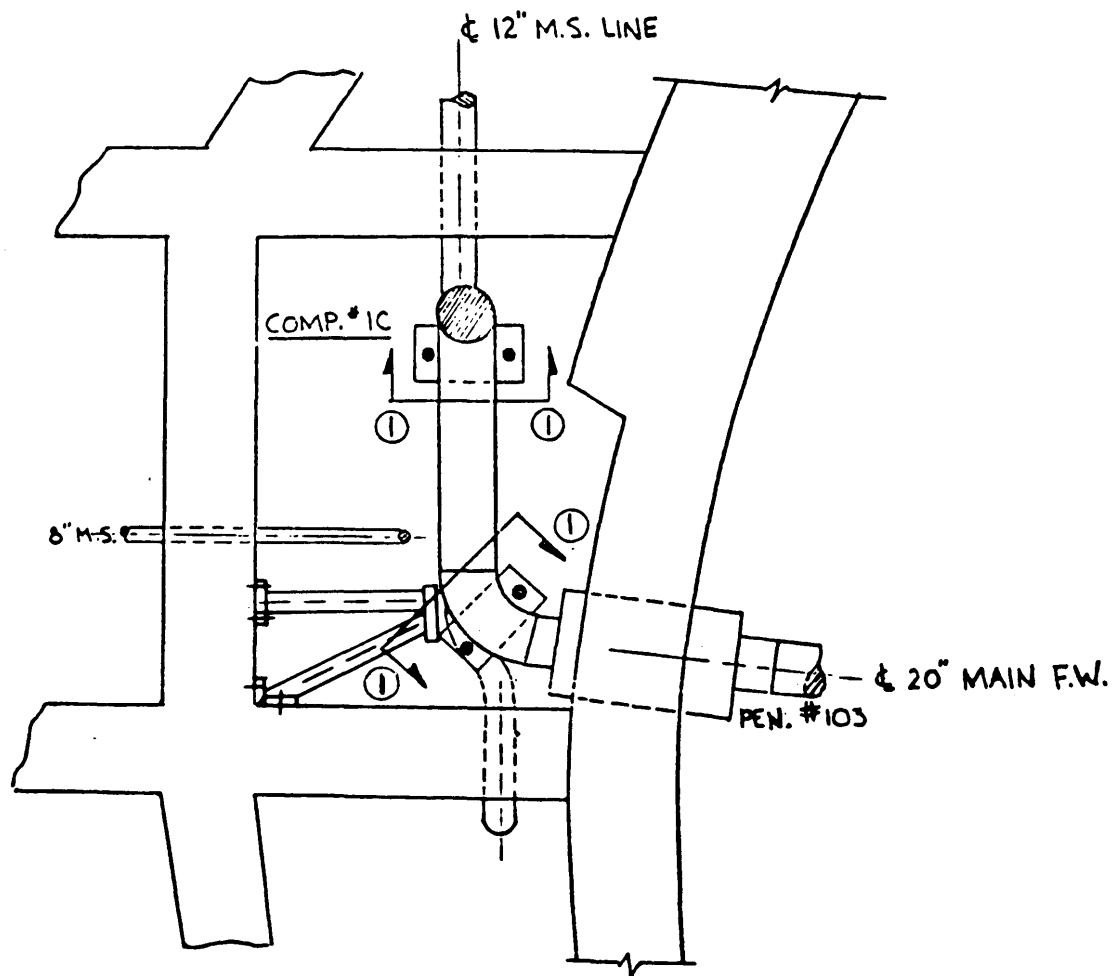
**Update - 1**

**TMI Unit-1**

**7/82**

Restraint for Breaks in 12 in.  
Header

Fig. 14A-17



**GPU Nuclear**

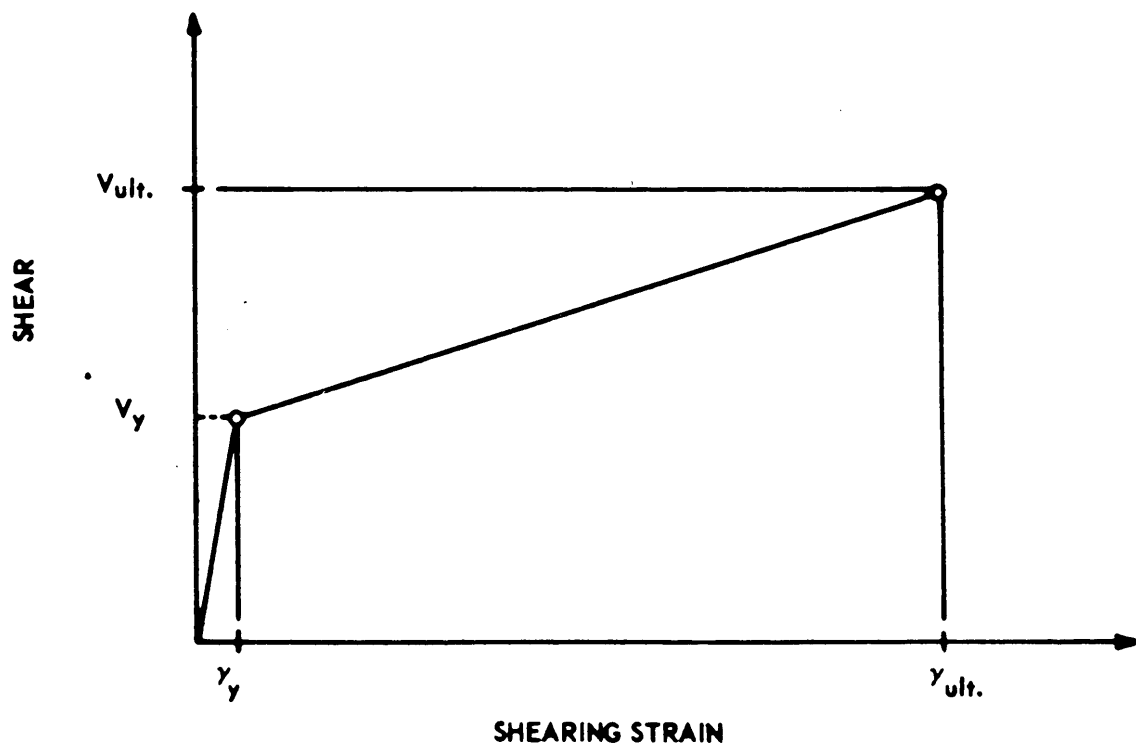
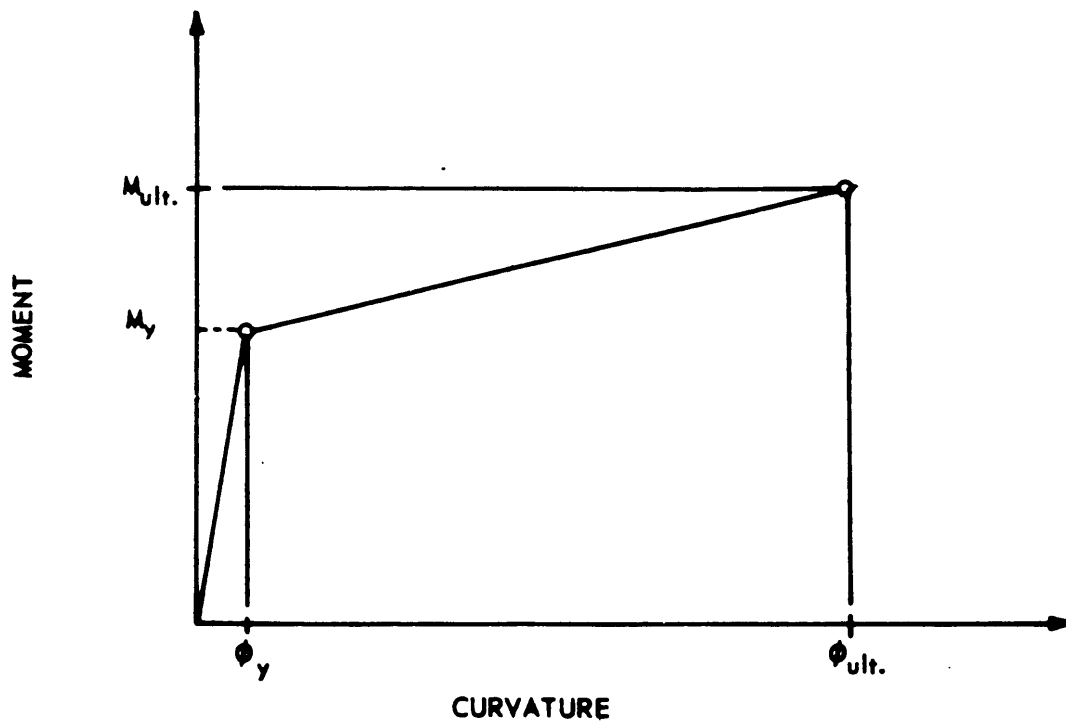
**TMI Unit-1**

**Update -1**

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Restraint for Breaks in Main  
Feedwater

Fig. 14A-18



**GPU Nuclear**

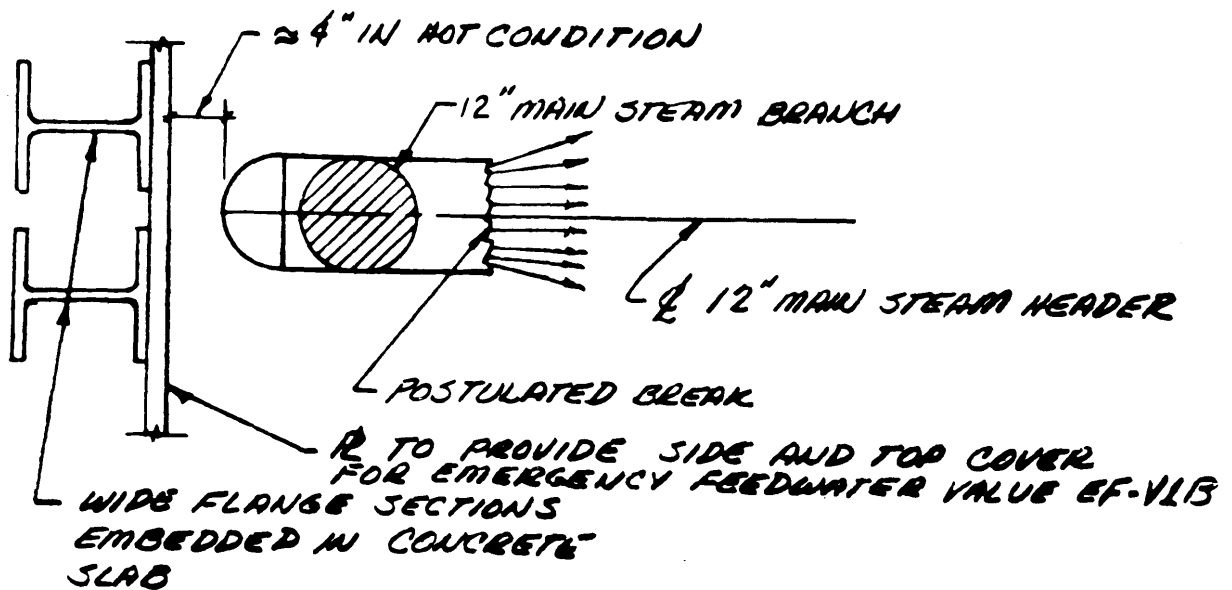
Update -1

**TMI Unit-1**

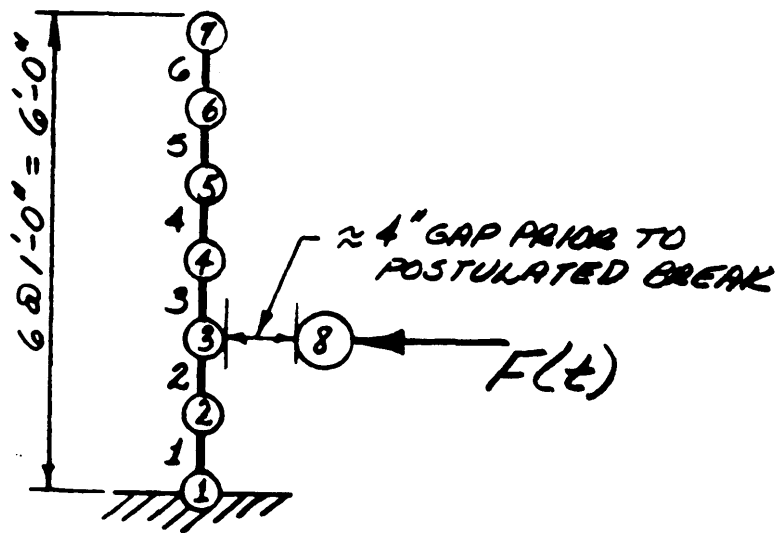
7/82

Moment vs. Curvature and Shear vs.  
Shearing Strain

Fig. 14A-19



A. PLAN VIEW OF RUPTURE CONDITION AND RESTRAINT



B. ELEVATION VIEW OF MATHEMATICAL MODEL

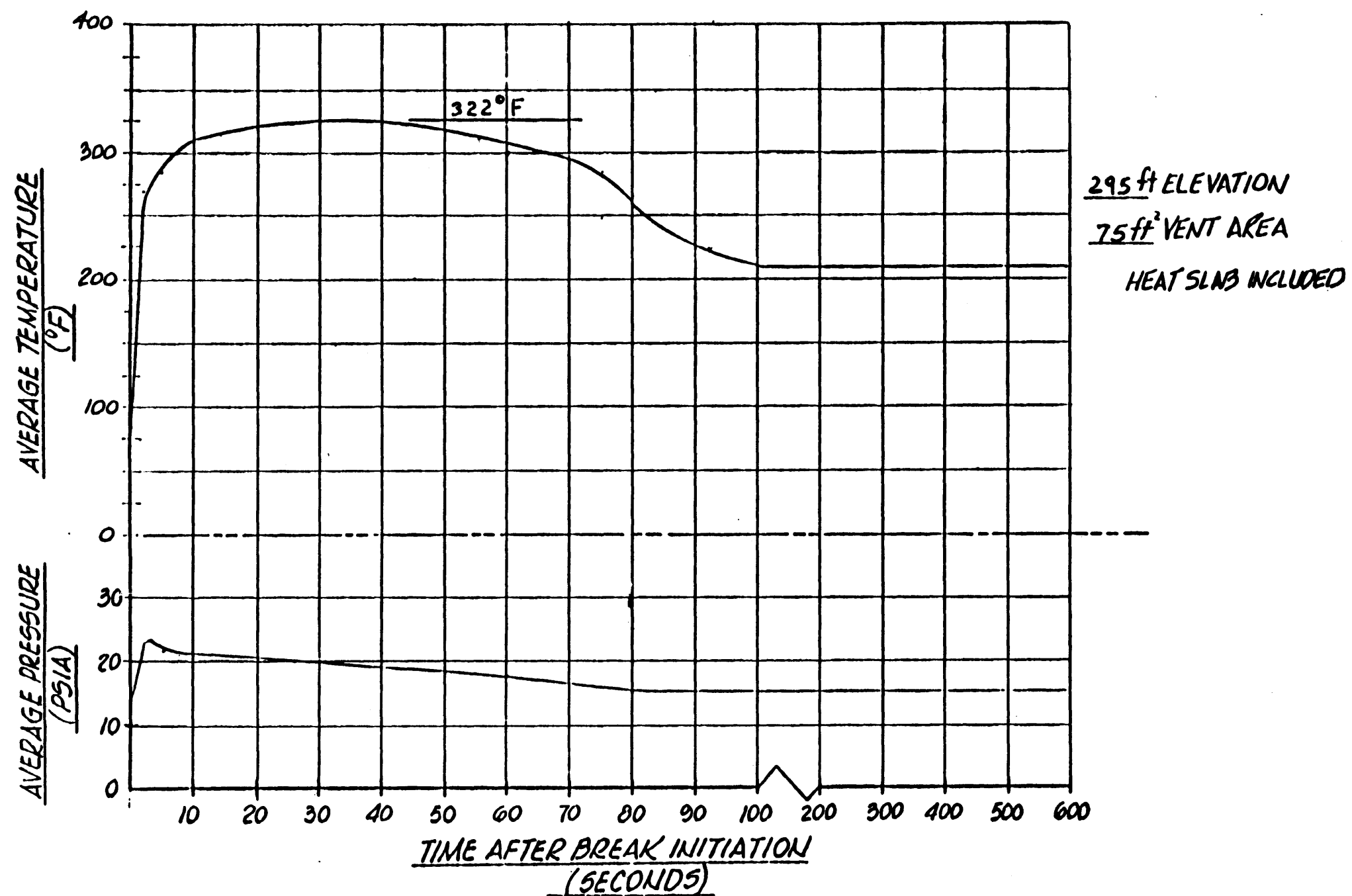
**GPU Nuclear**

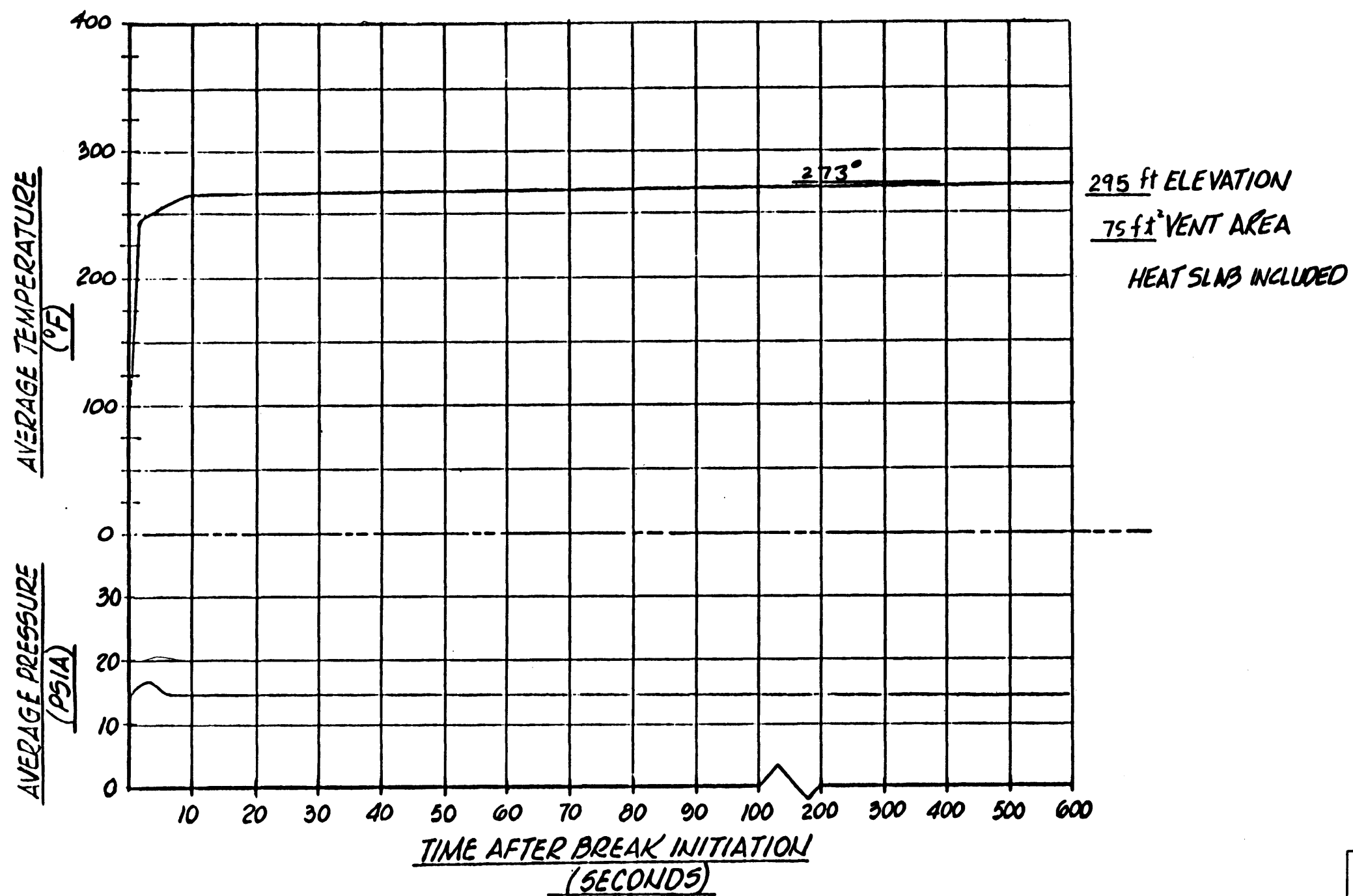
TMI Unit-1

Dynamic Pipe Break Model

Update -1

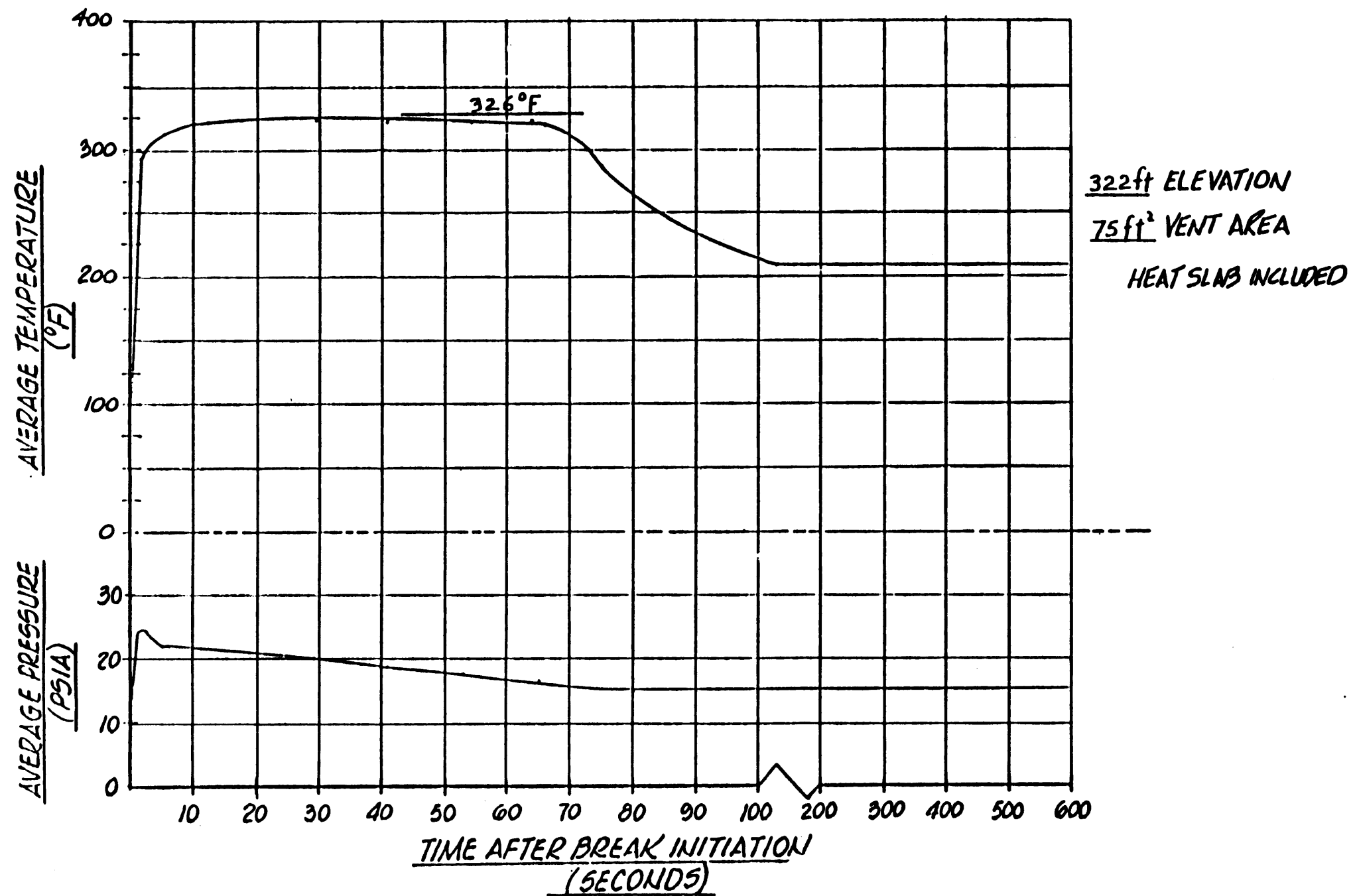
7/82

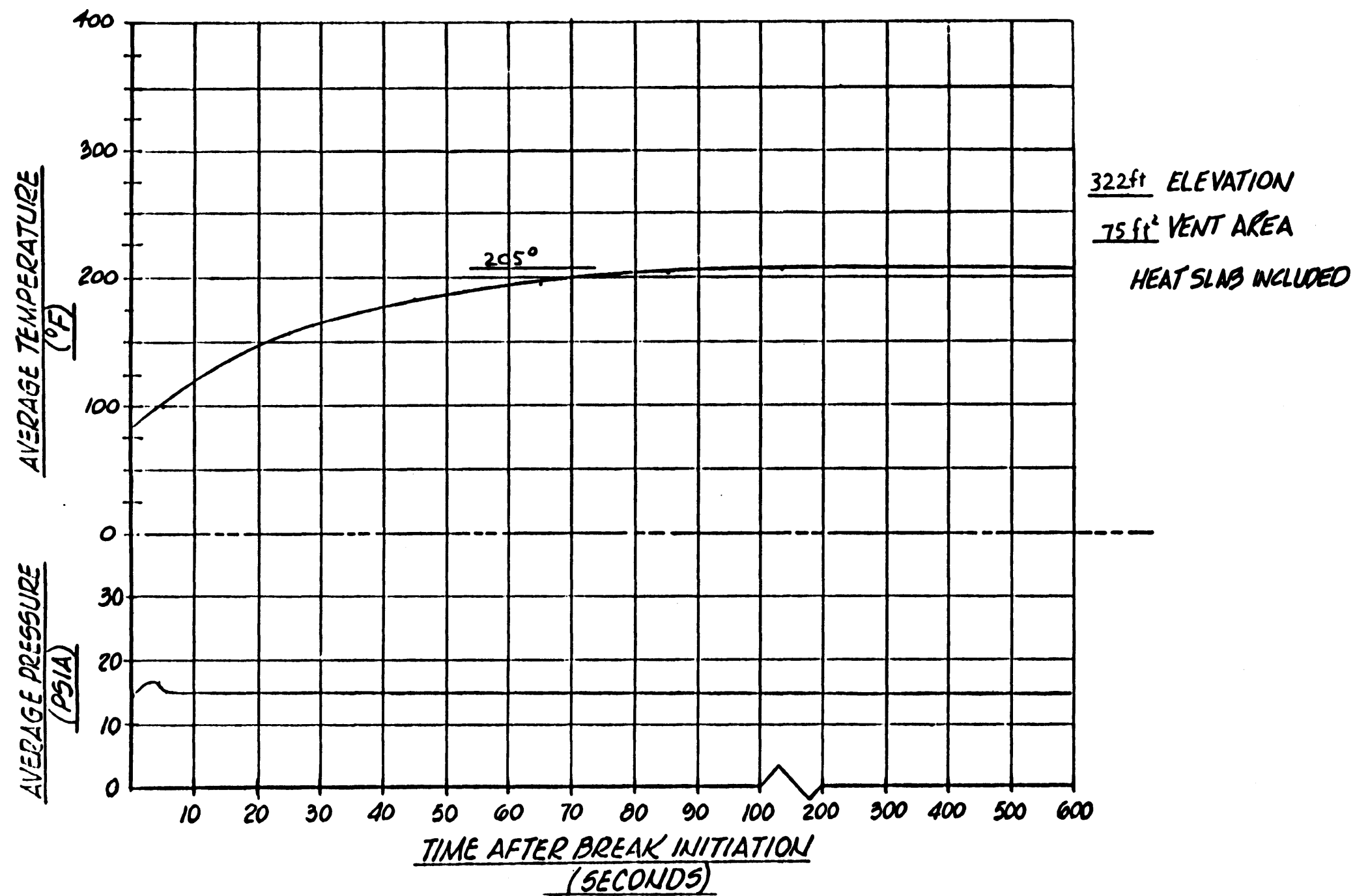




p. 14A.FIG-22

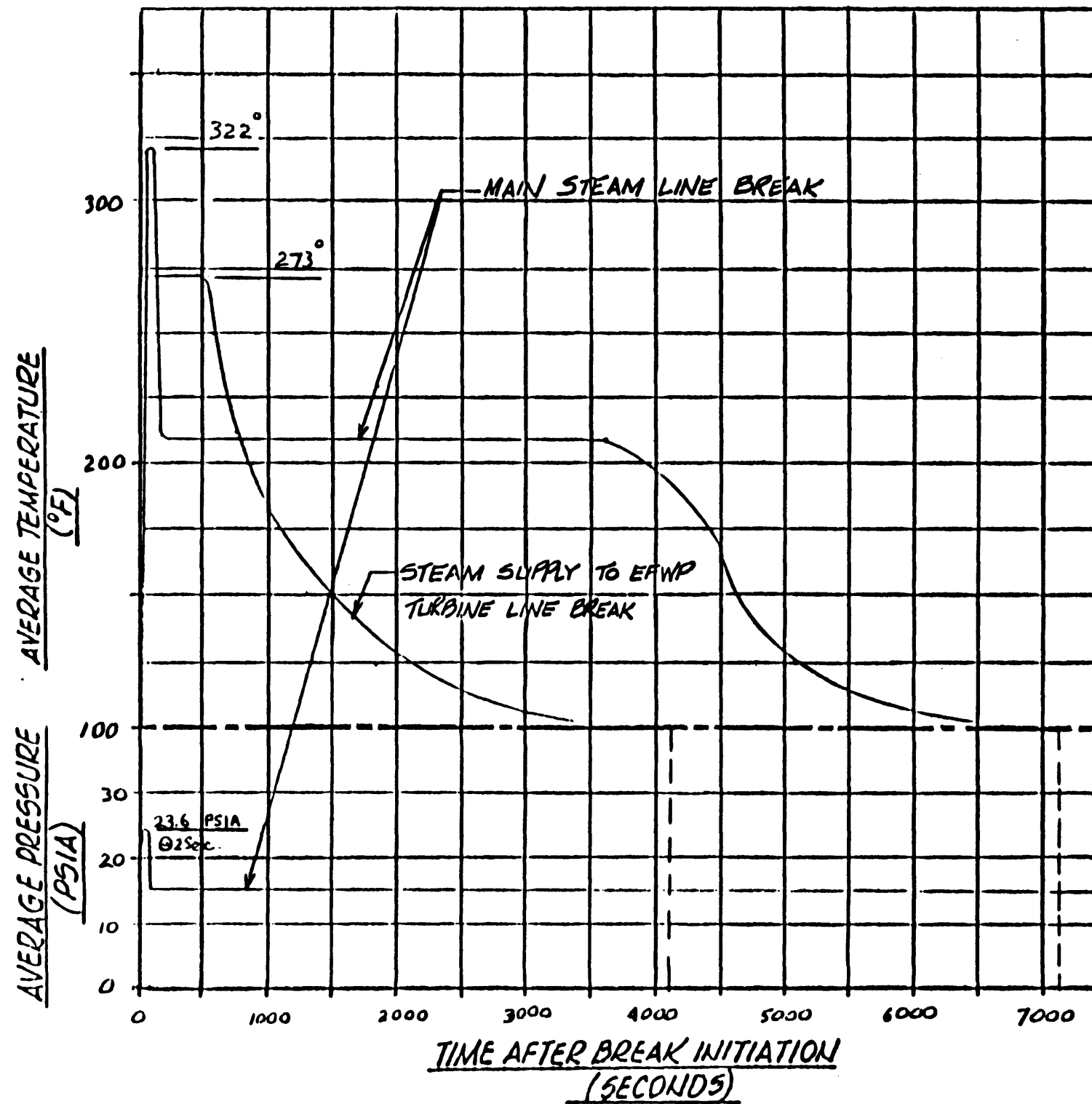
<b>GPU Nuclear</b>	Update - 1
<b>TMI Unit-1</b>	7/82
Time History for the Intermediate Bldg Following a EFW Pump Turbine Steam Line Break (Heat Slab Included El 295')	
Fig. 14A-22	





**GP Nuclear** Update - 1  
**TMI Unit-1** 7/82  
 Time History for the Intermediate  
 Bldg Following a EFW Pump Turbine  
 Steam Line Break (Heat Slab  
 Included El 322')  
 Fig. 14A-24





295 ft ELEVATION  
 75 ft<sup>2</sup> VENT AREA  
 HEAT SLAB INCLUDED  
 LONG TERM COOLDOWN

