Appendix 4B. Figures

Figure 4-1. Burnable Poison Rod Assembly

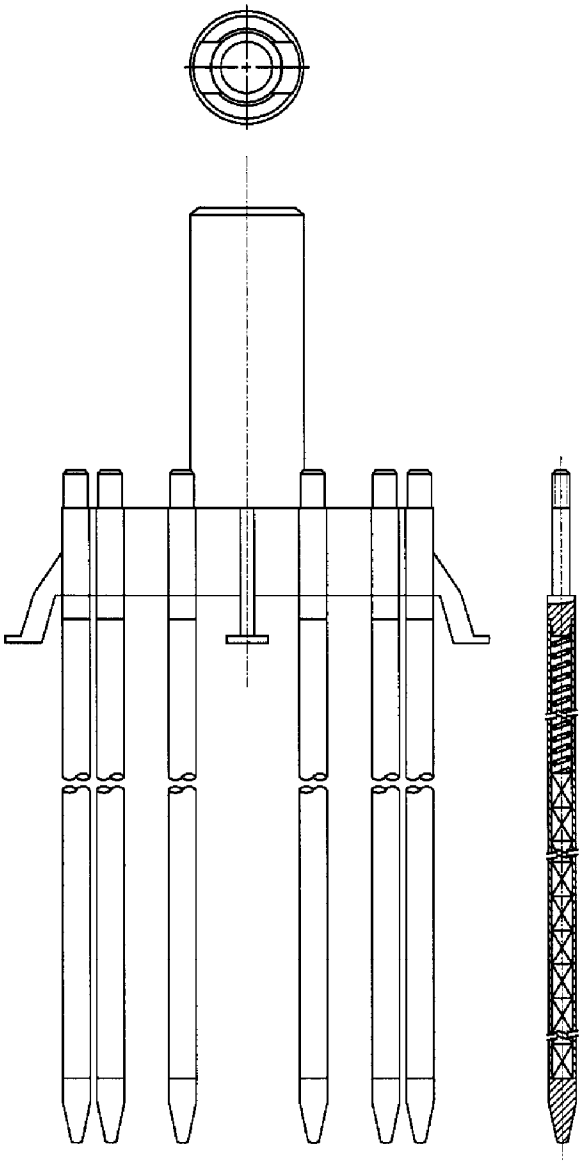


Figure 4-2. Deleted Per 1999 Update

Figure 4-3. Deleted Per 1999 Update

Figure 4-4. Typical Pressurized Fuel Rod

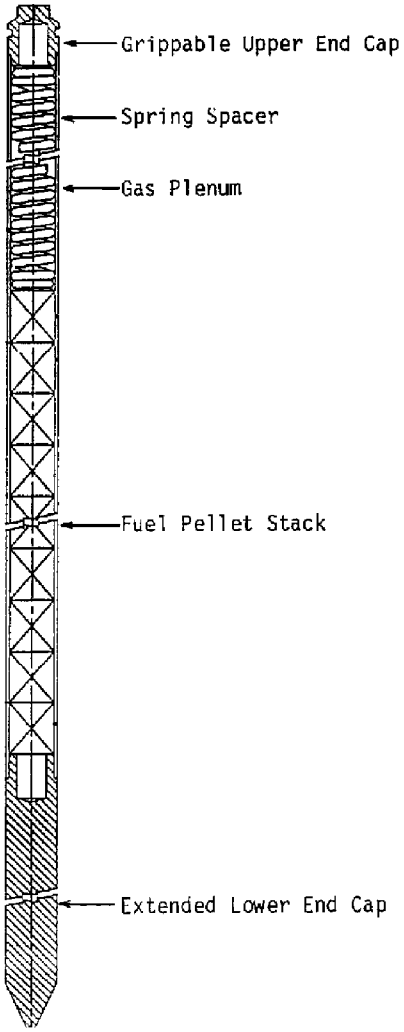
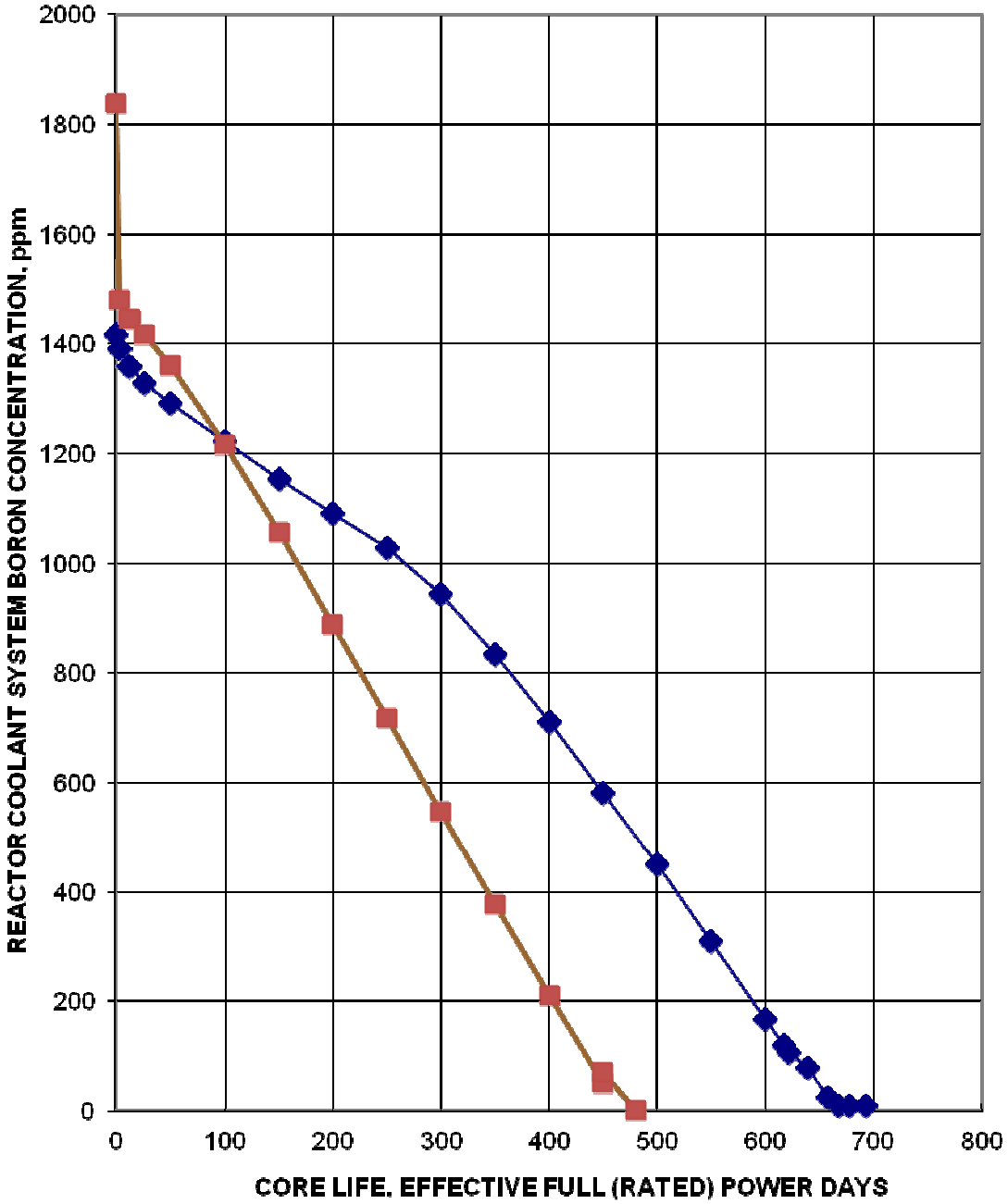


Figure 4-5. Typical Boron Concentration Versus Core Life



Note: Square data points represent 18 month cycles and diamonds represent 24 month cycles

Figure 4-6. Typical BPRA Concentration and Distribution

[HISTORICAL INFORMATION BELOW NOT REQUIRED TO BE REVISED.]

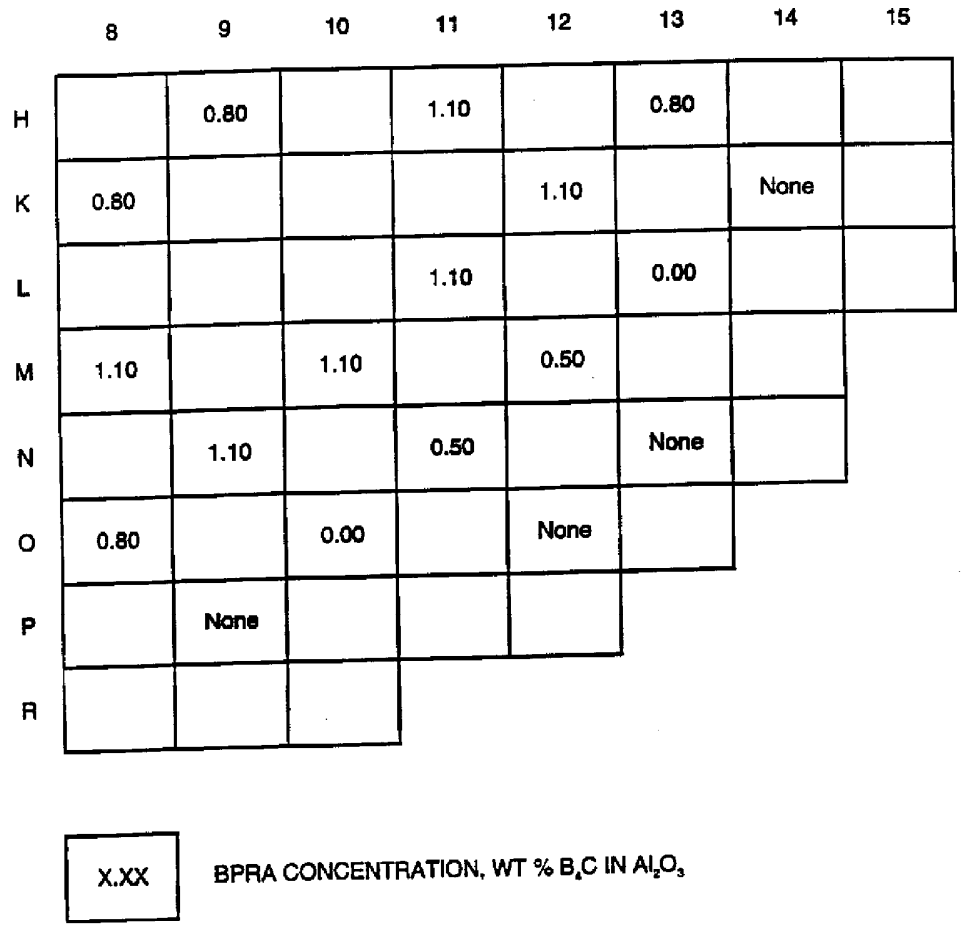
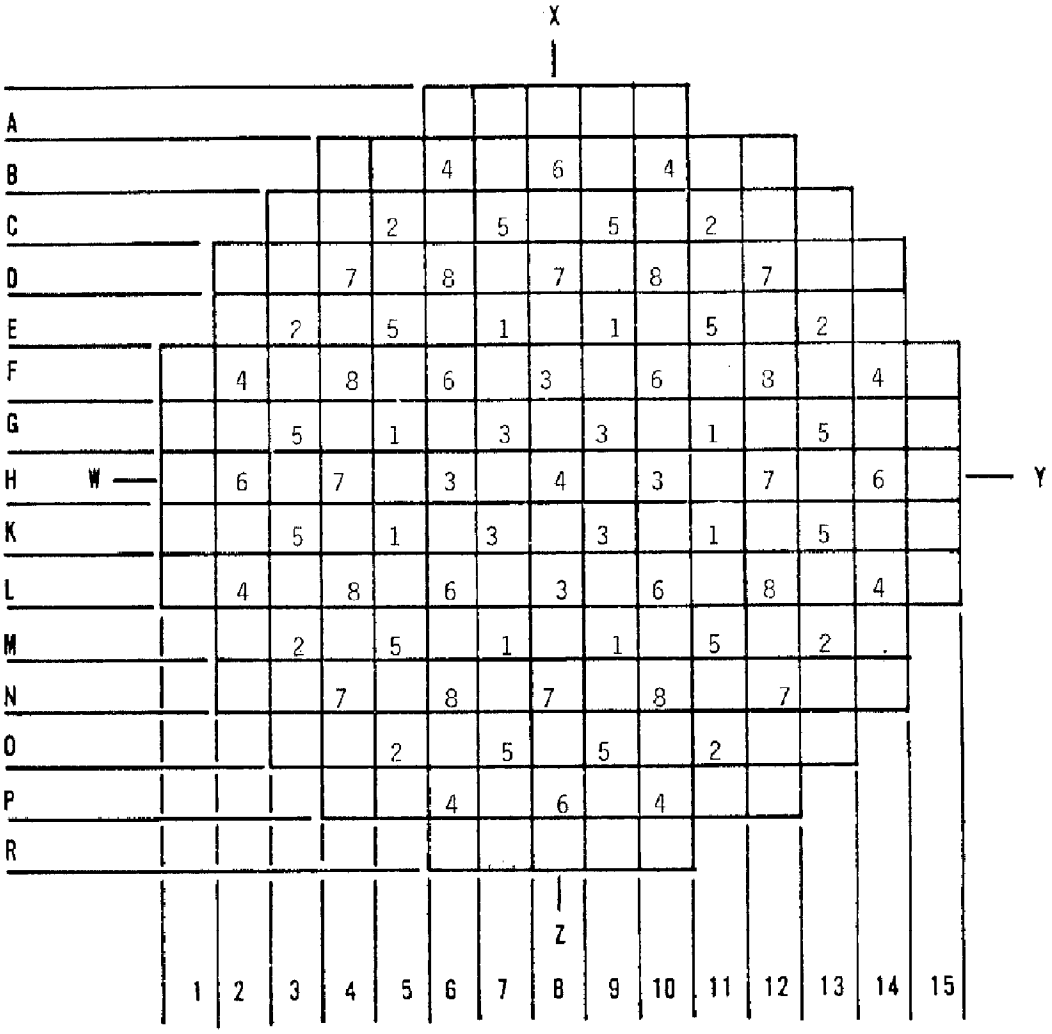


Figure 4-7. Typical Control Rod Locations and Groupings



GROUP	NO. OF RODS	FUNCTION
1	8	SAFETY
2	8	SAFETY
3	8	SAFETY
4	9	SAFETY
5	12	CONTROL
6	8	CONTROL
7	8	CONTROL
8	8	APSRs
TOTAL	69	

[X] GROUP NUMBER

Figure 4-8. Typical Uniform Void Coefficient

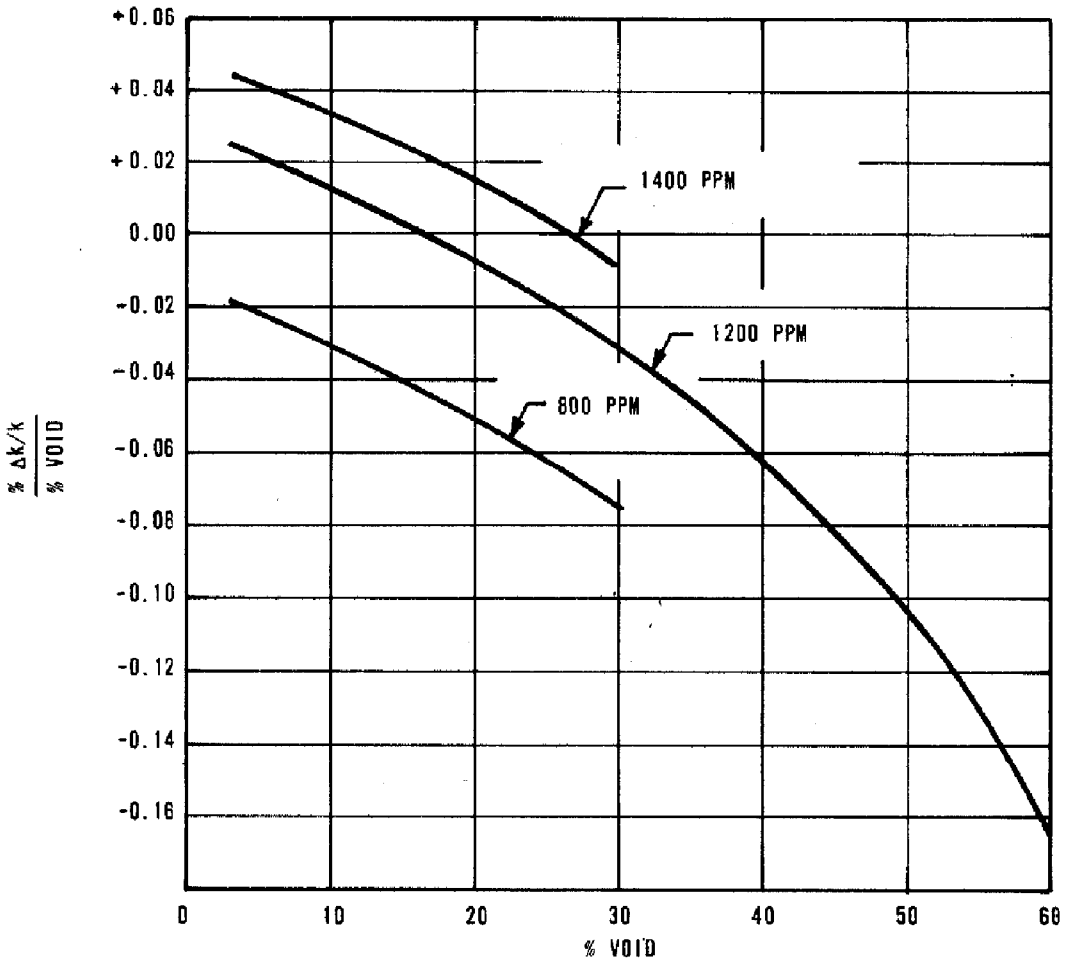


Figure 4-9. Deleted per 1995 Update

Figure 4-10. Typical Rod Worth Versus Distance Withdrawn

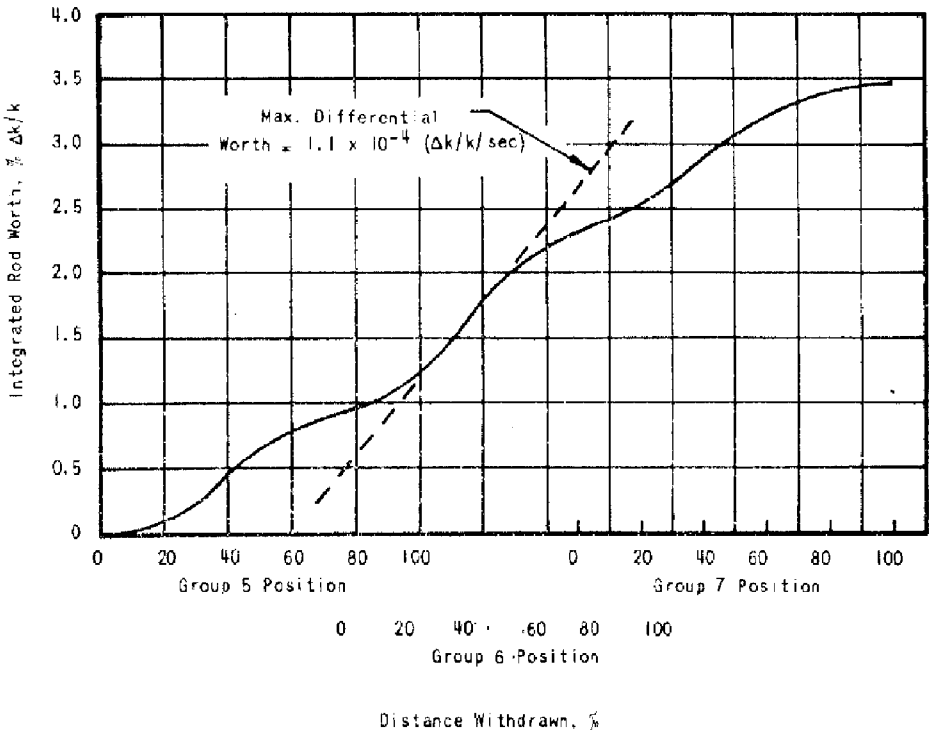


Figure 4-11. Percent Neutron Power Versus Time Following Trip

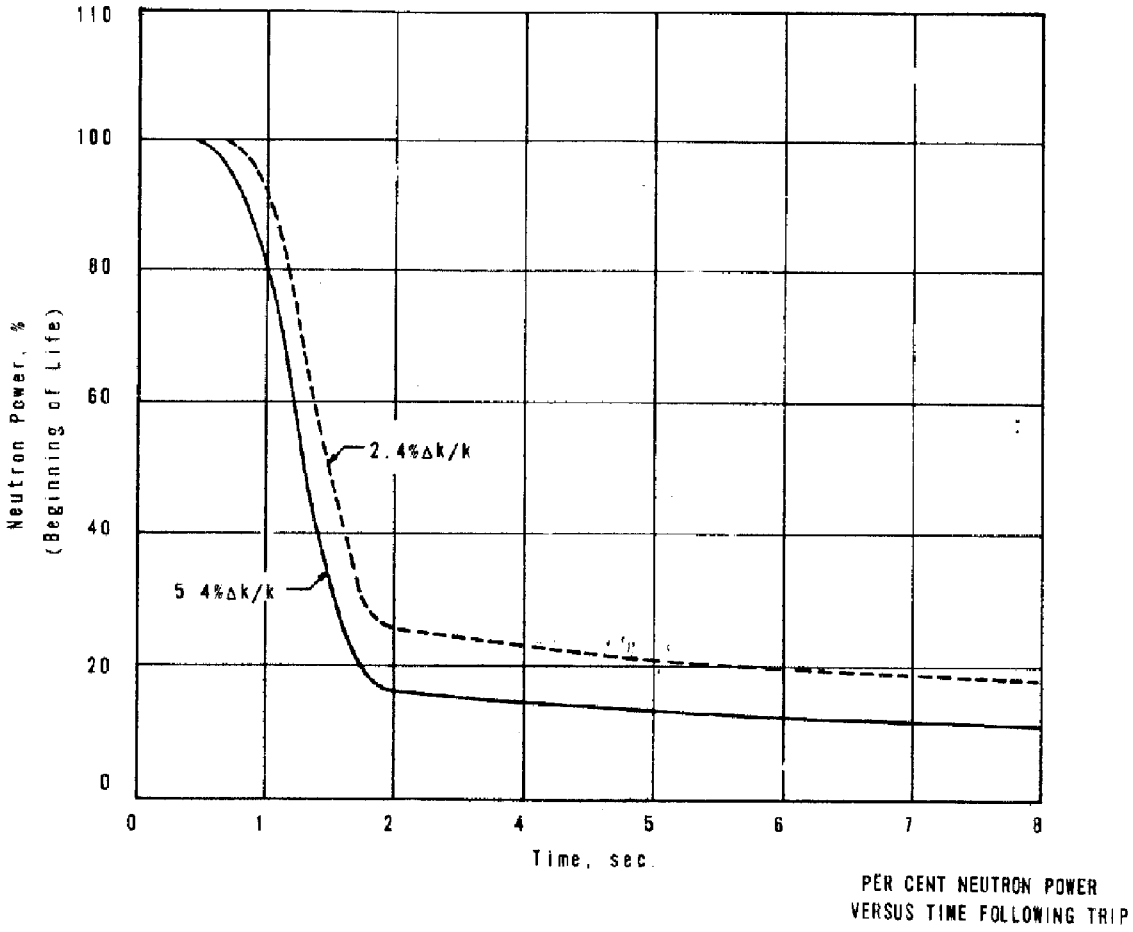


Figure 4-12. Power Spike Factor Due to Fuel Densification

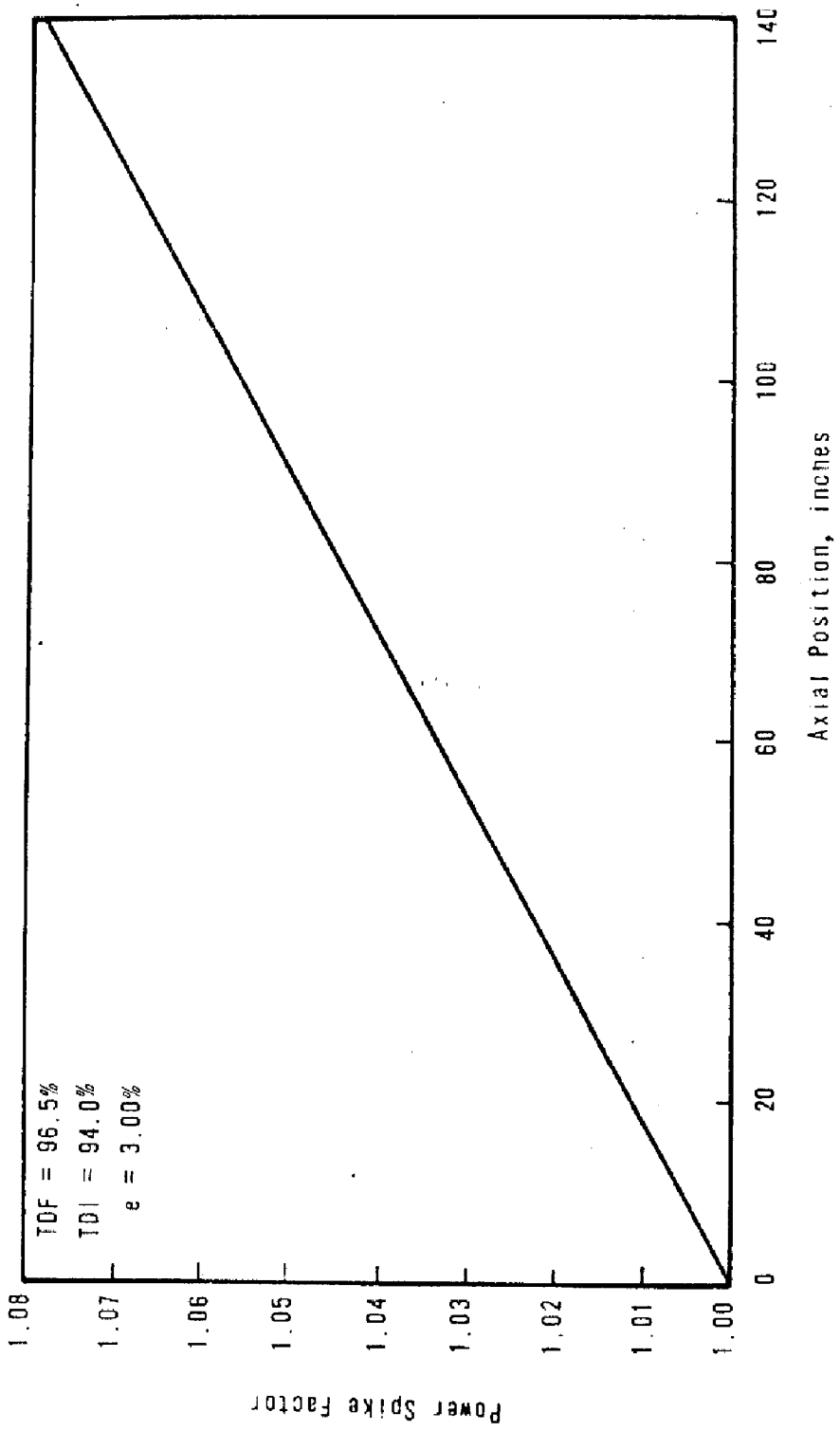


Figure 4-13. Power Peaking Caused by Dropped Rod (Oconee Unit 1, Cycle 1)

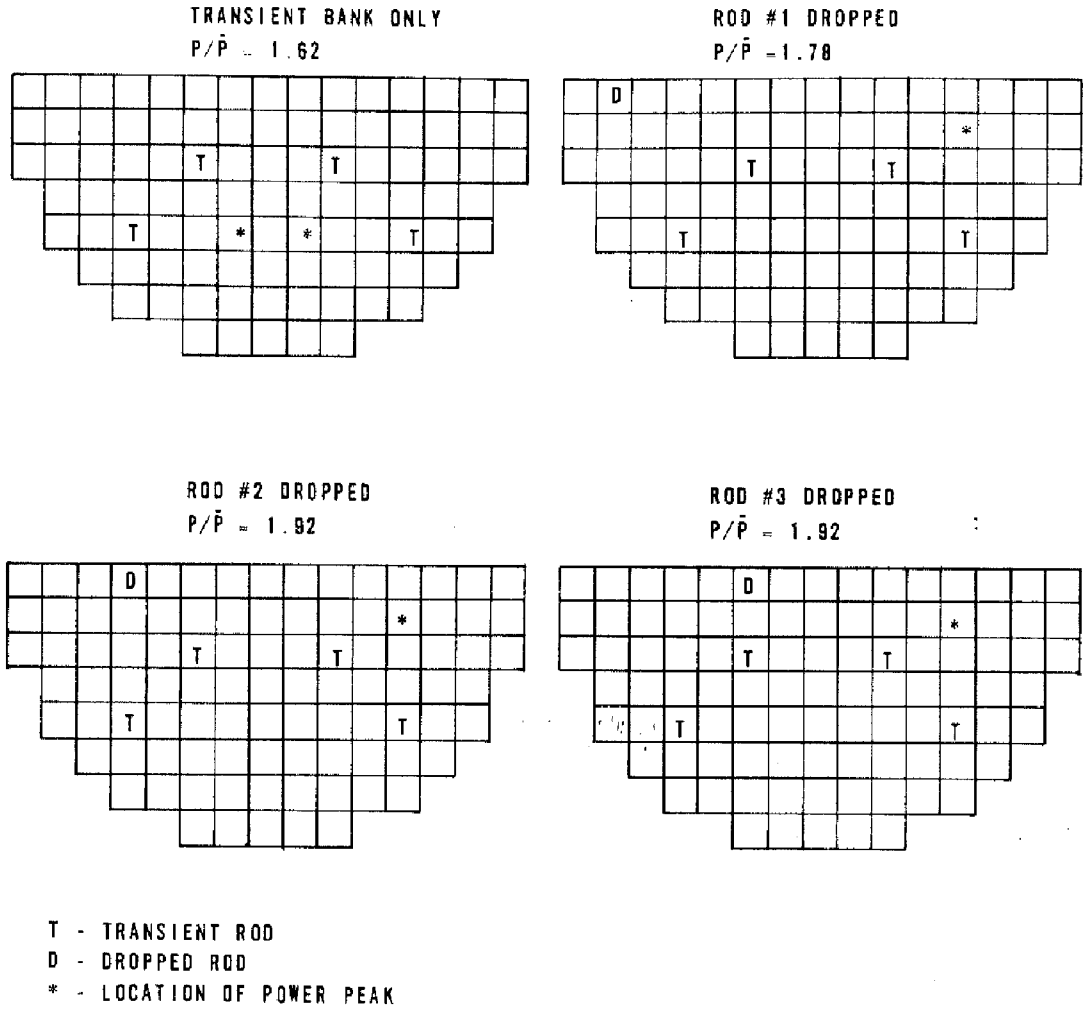


Figure 4-14. Azimuthal Stability Index Versus Moderator Coefficient From Three Dimensional Case (Oconee Unit 1, Cycle 1)

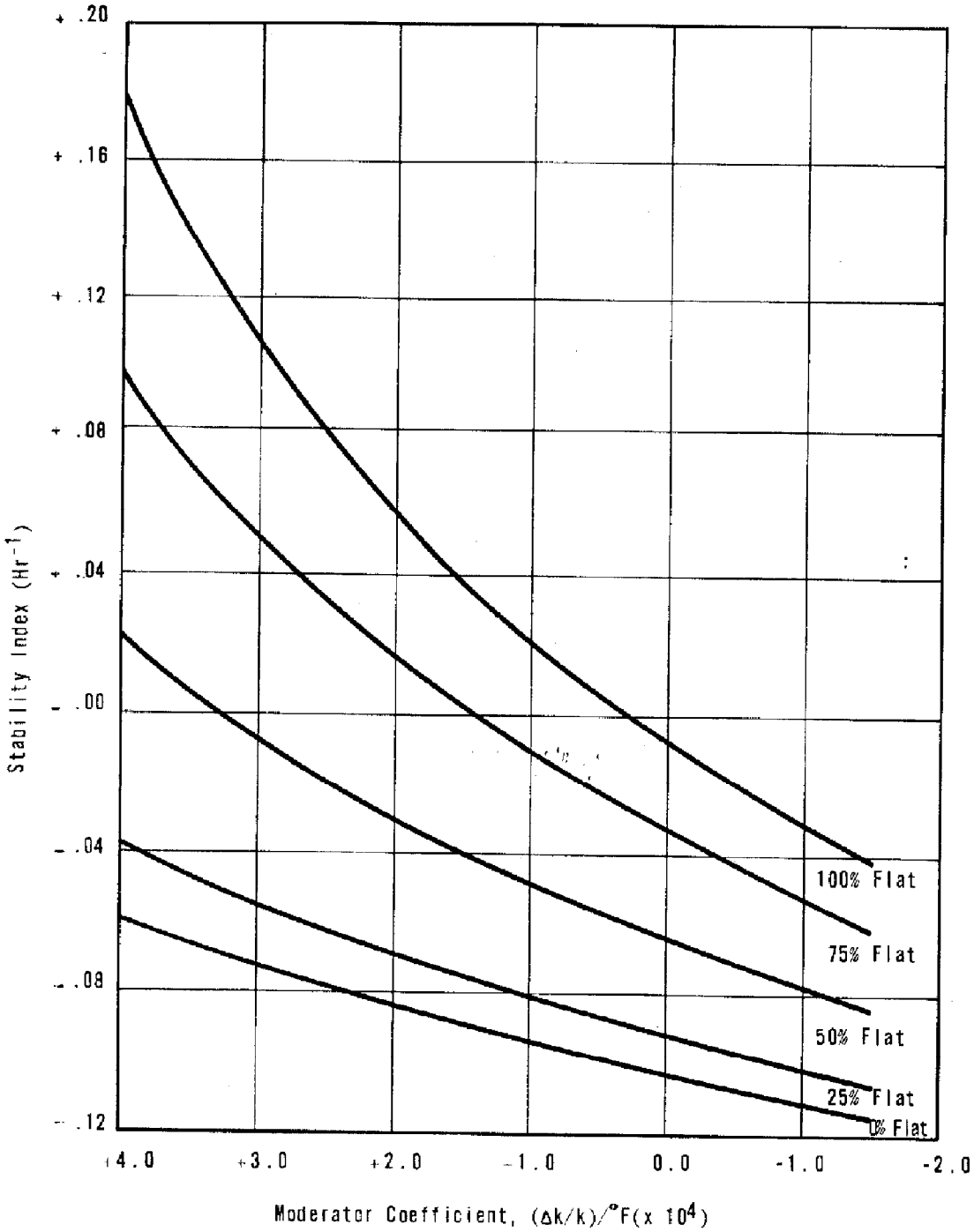


Figure 4-15. Azimuthal Stability Index with Compounded Error Versus Moderator Coefficient Calculated From Three Dimensional Case (Oconee Unit 1, Cycle 1)

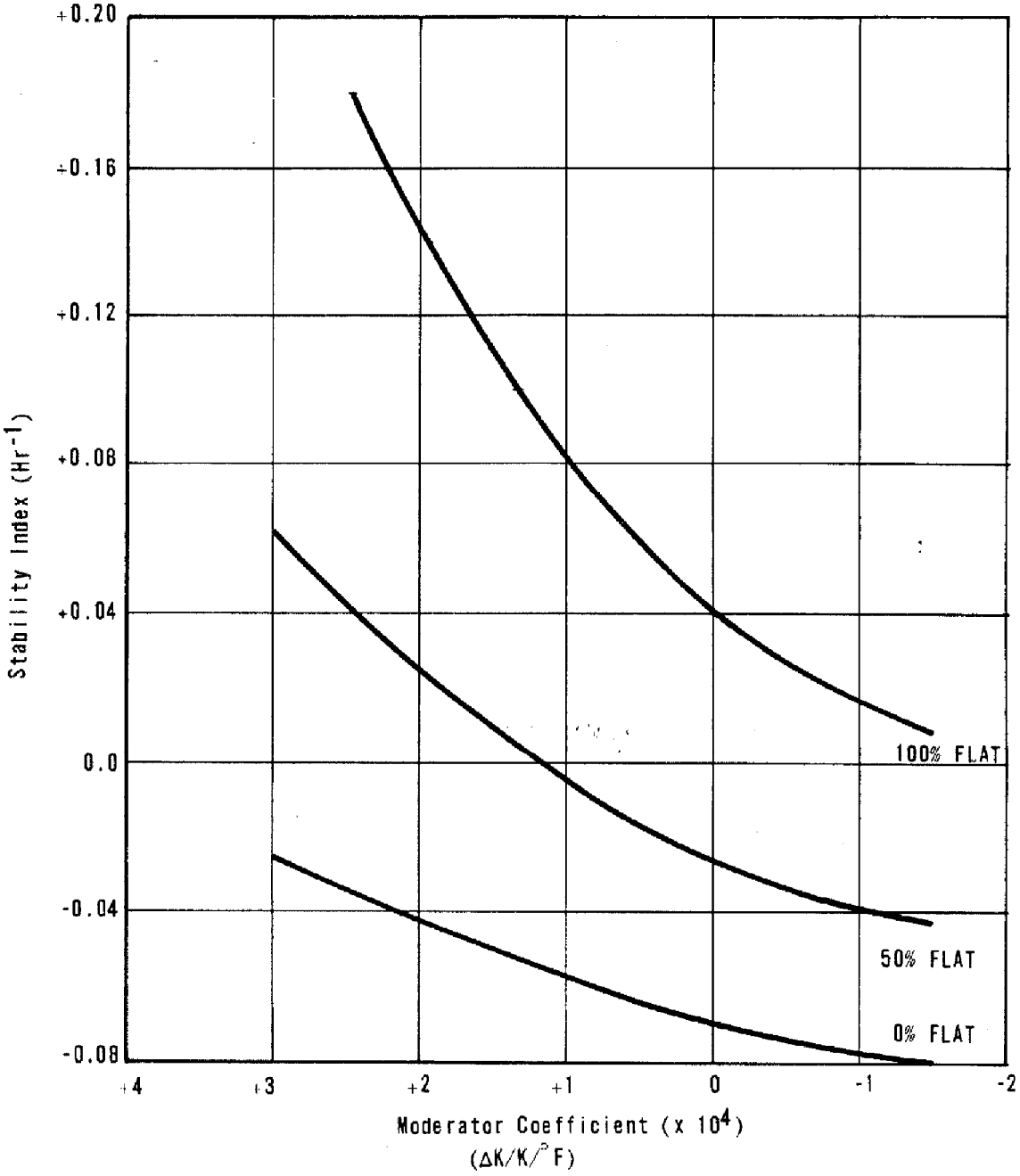


Figure 4-16. Azimuthal Stability Index Versus Moderator Coefficient From Three Dimension Case (Oconee Unit 2, Cycle 1)

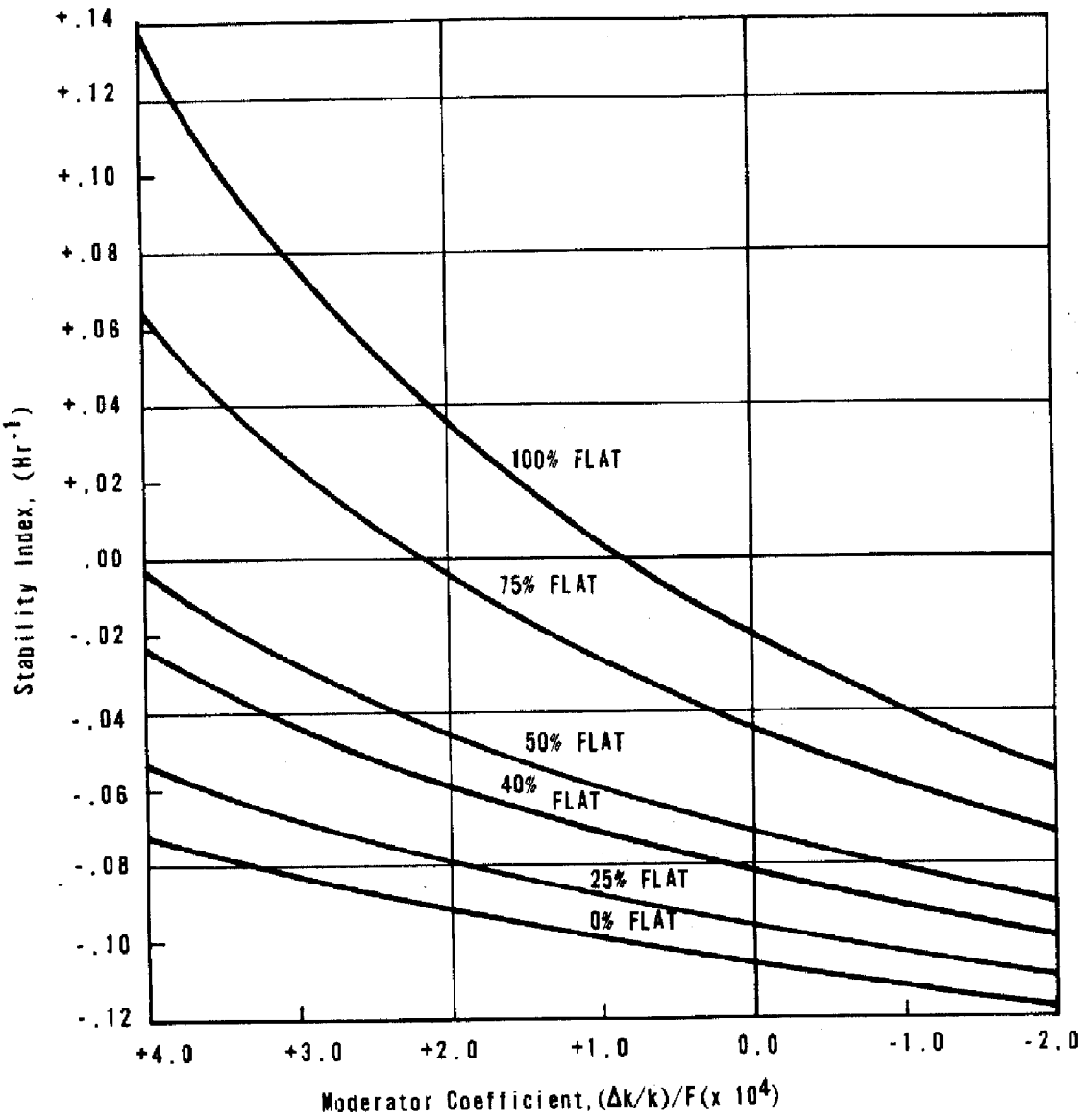


Figure 4-17. Azimuthal Stability Index with Compounded Error Versus Moderator Coefficient From Three Dimensional Case (Oconee Unit 2, Cycle 1)

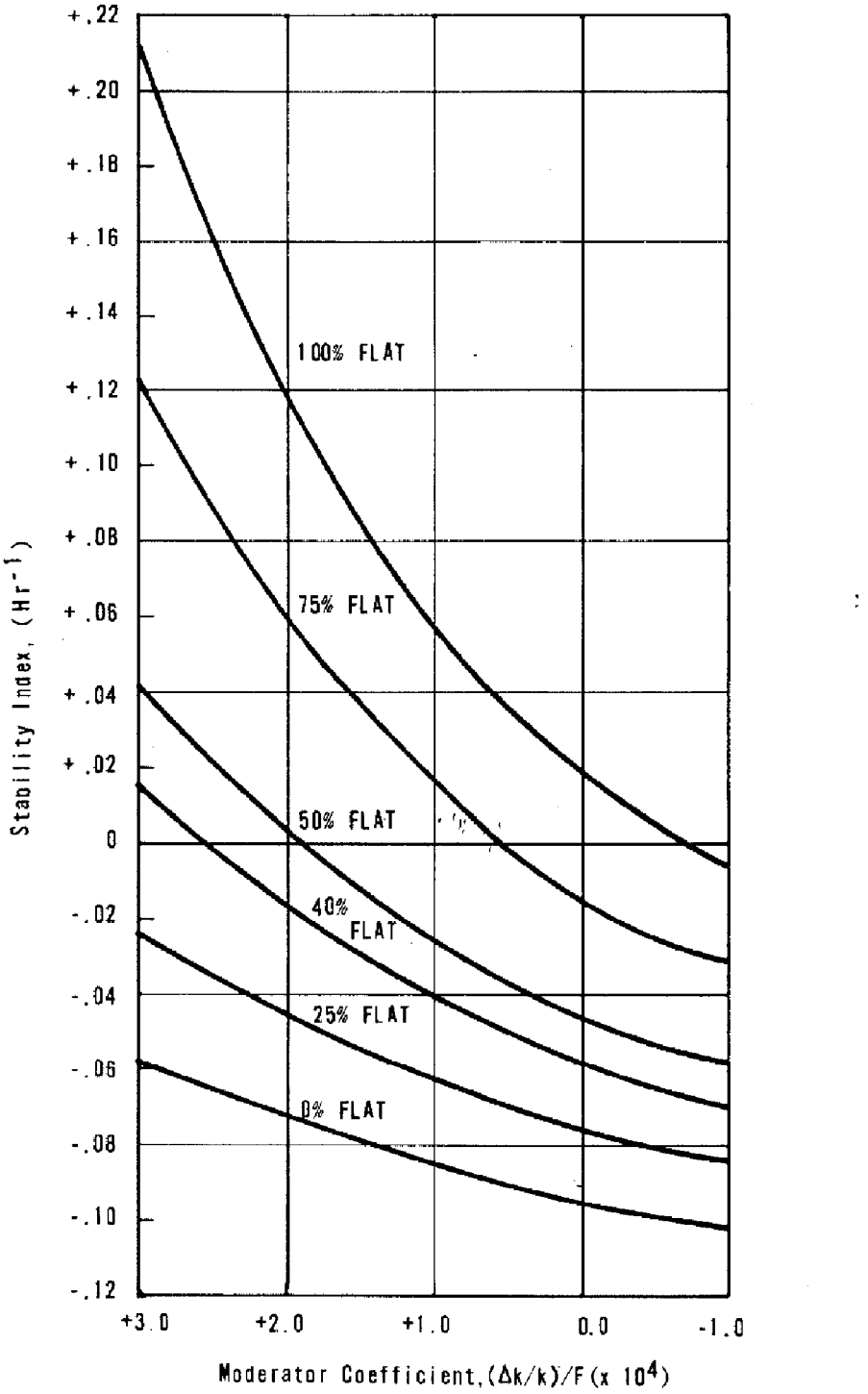


Figure 4-18. Deleted per 1997 Update

Figure 4-19. Deleted Per 1995 Update

Figure 4-20. Deleted Per 1995 Update

Figure 4-21. Flow Regime Map for the Hot Unit Cell

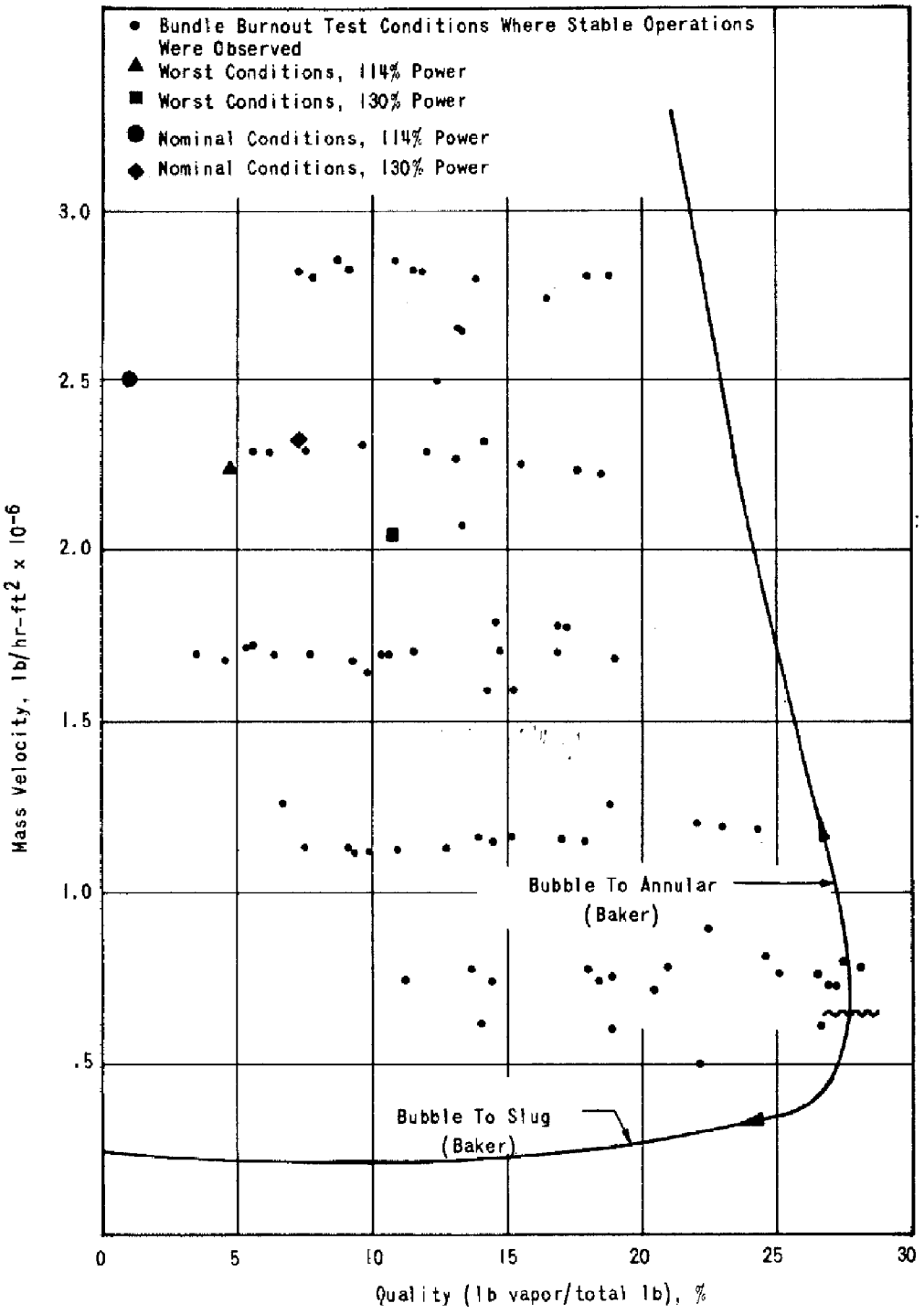


Figure 4-22. Flow Regime Map for the Hot Control Rod Cell

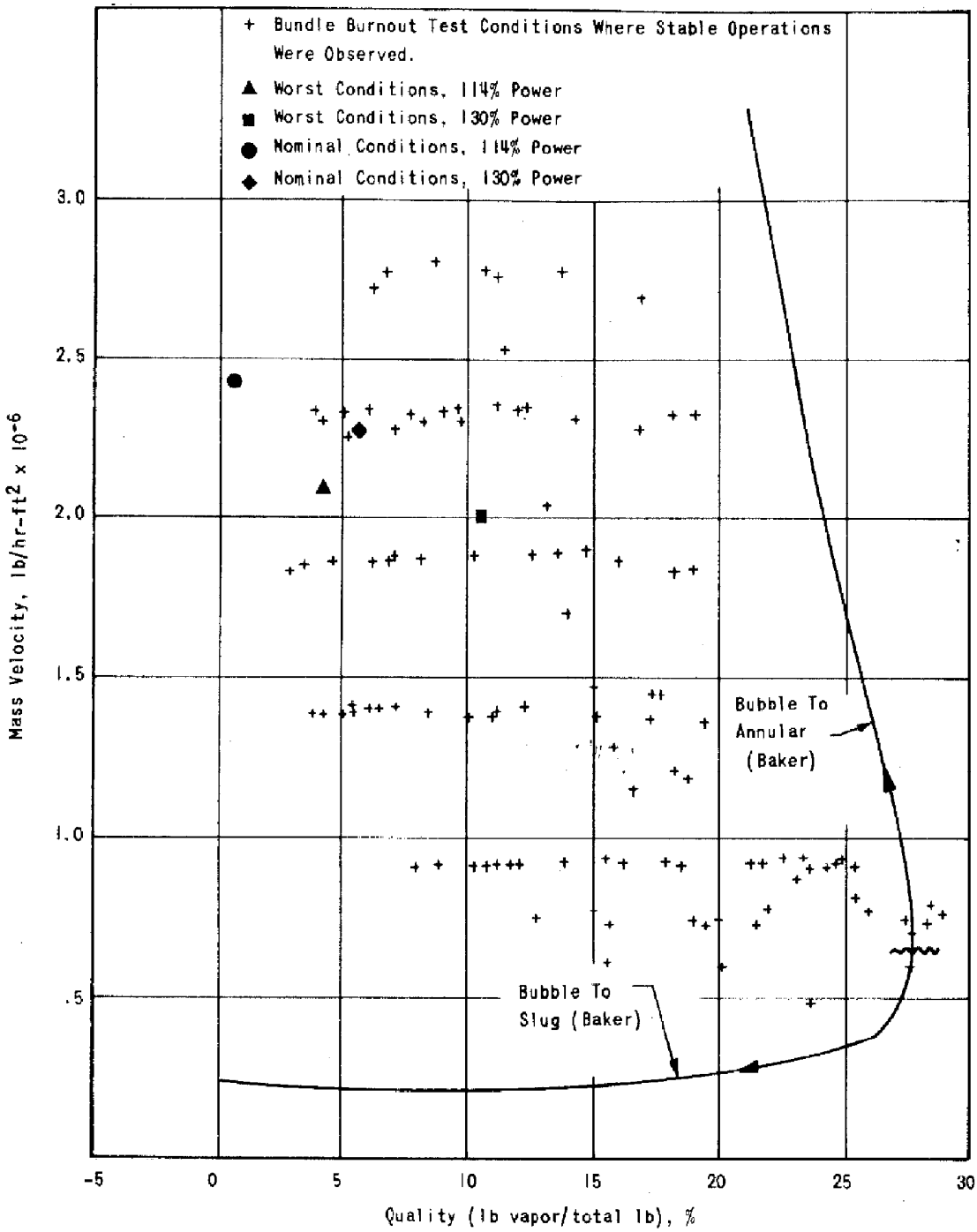


Figure 4-23. Flow Regime Map for the Hot Wall Cell

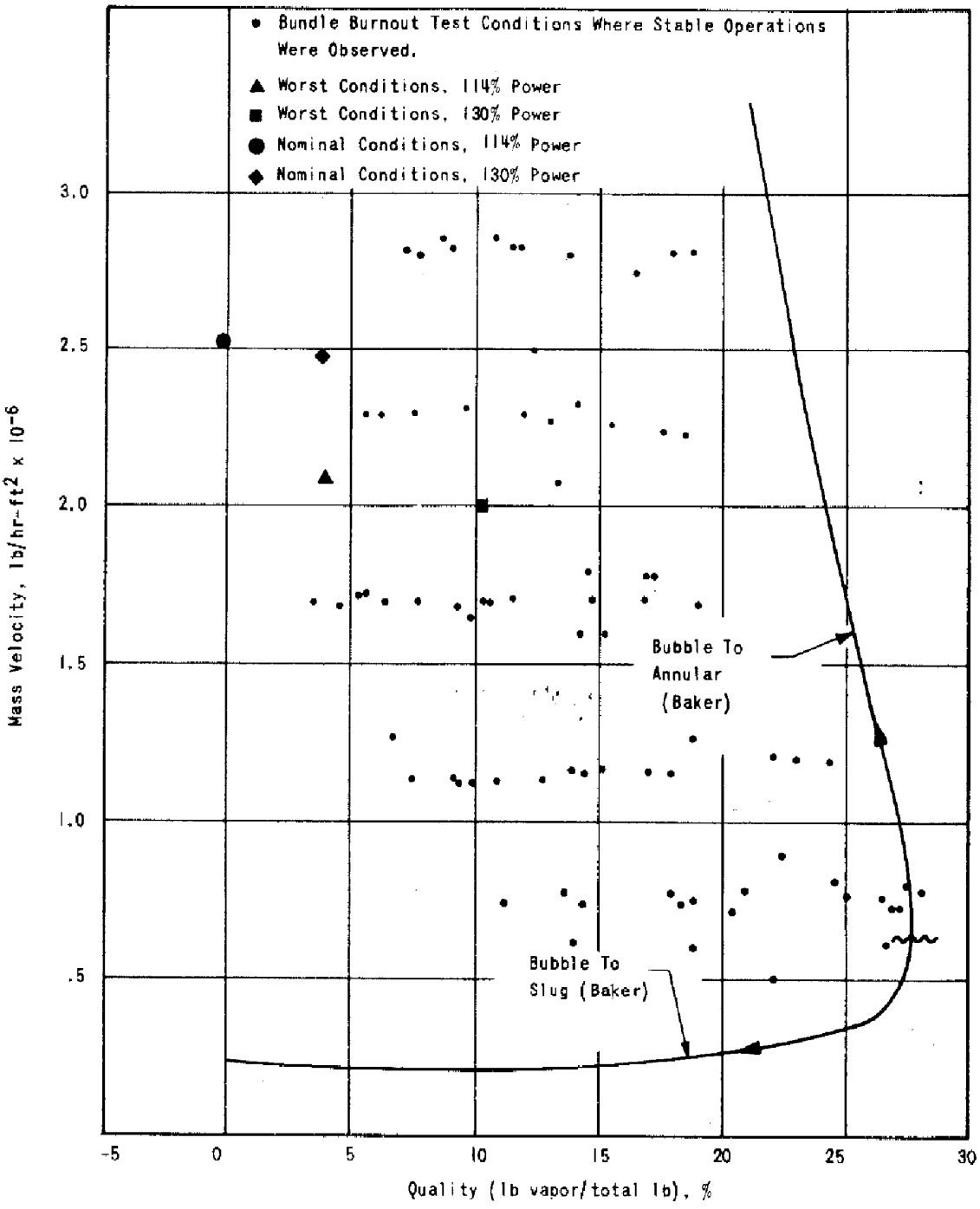


Figure 4-24. Flow Regime Map for the Hot Corner Cell

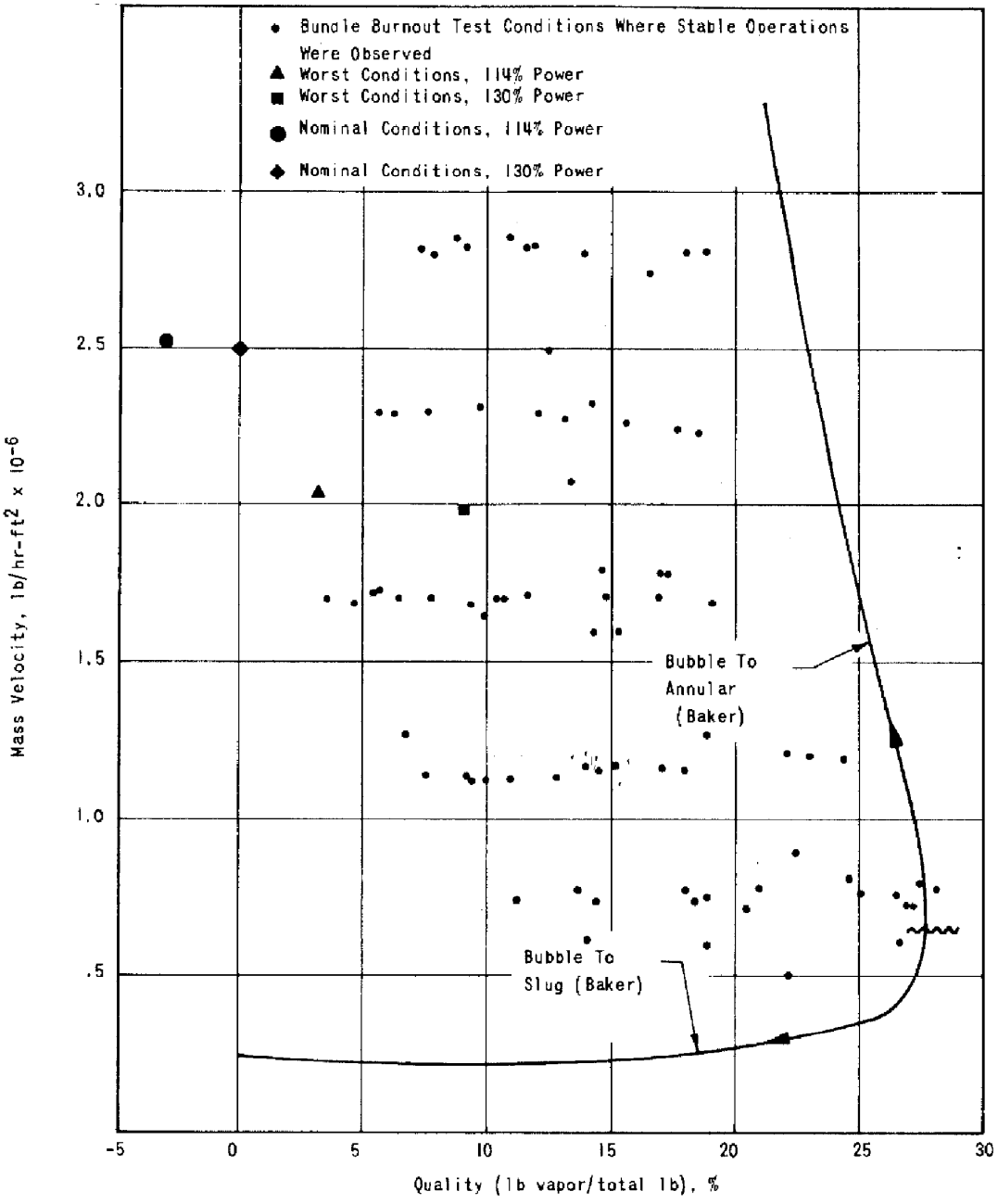


Figure 4-25. Deleted Per 1996 Update

Figure 4-26. Reactor Vessel and Internals General Arrangement

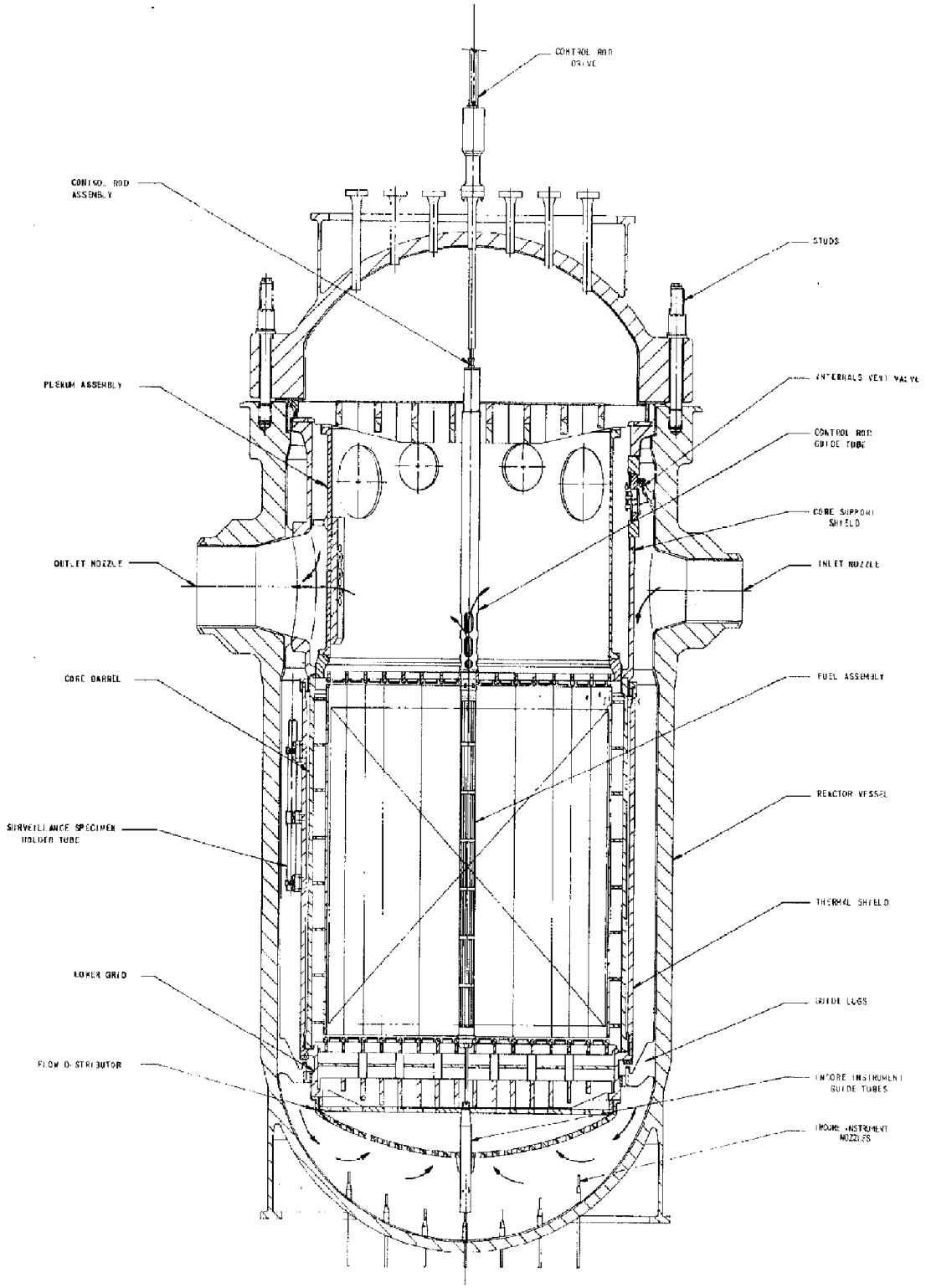


Figure 4-27. Reactor Vessel and Internals Cross Section

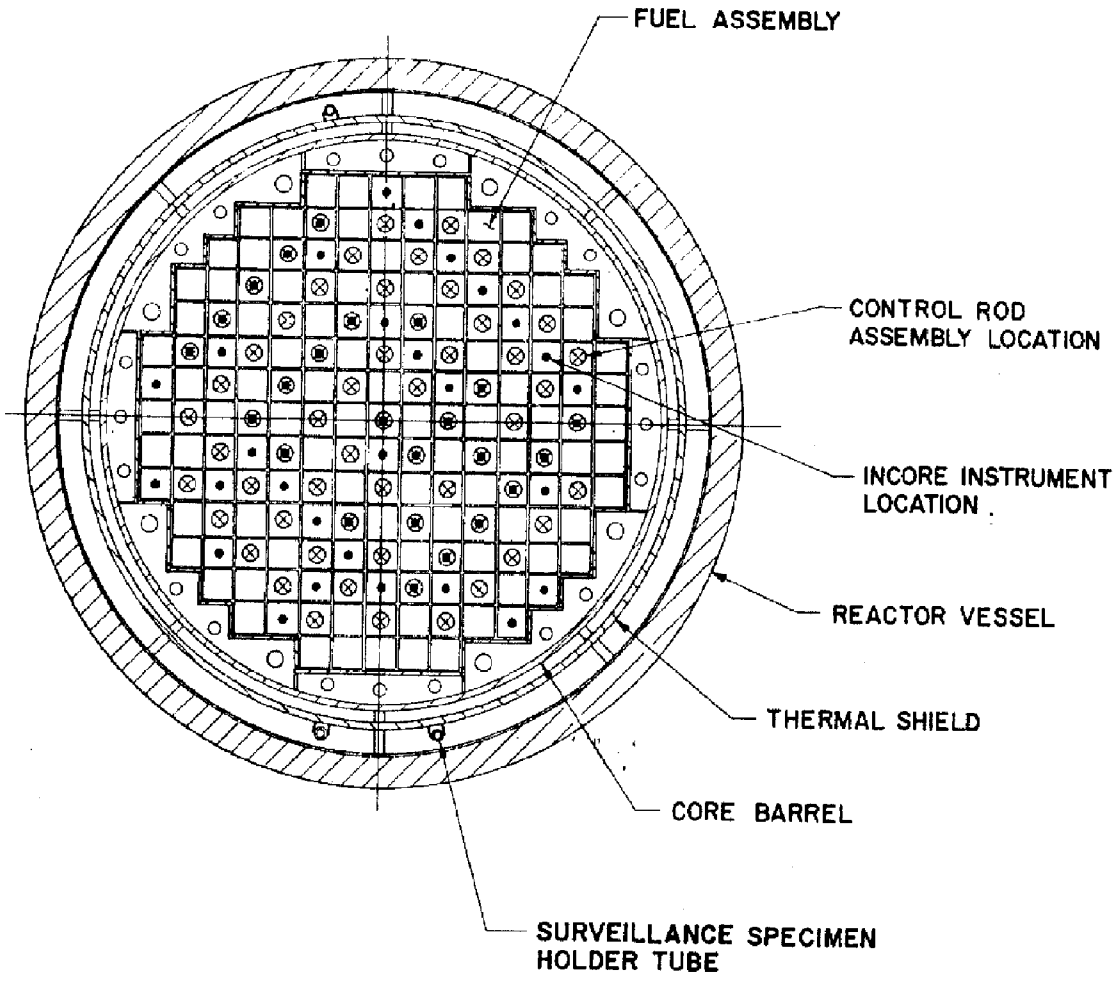


Figure 4-28. Core Flooding Arrangement

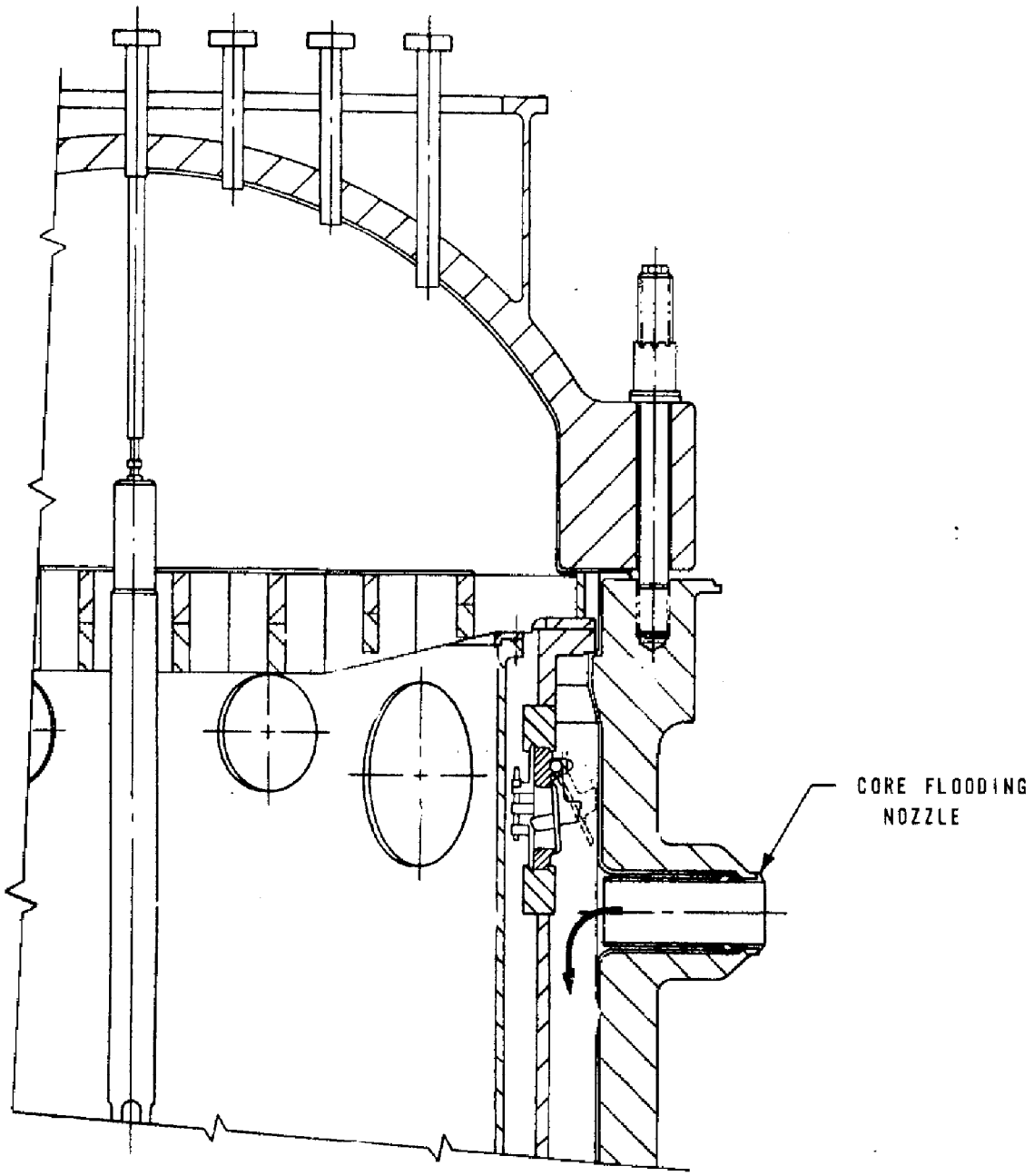


Figure 4-29. Internals Vent Valve Clearance Gaps

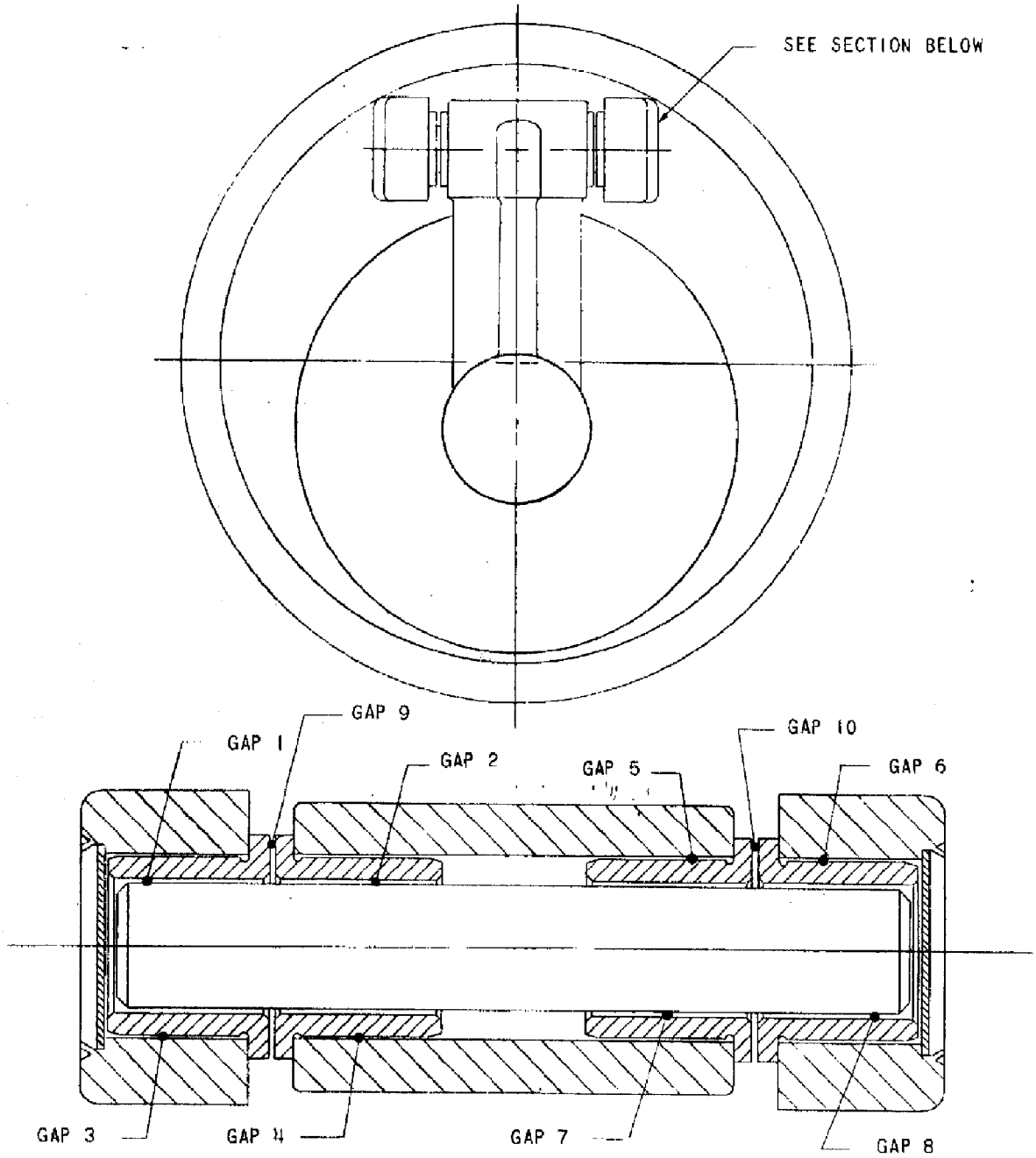


Figure 4-30. Internals Vent Valve

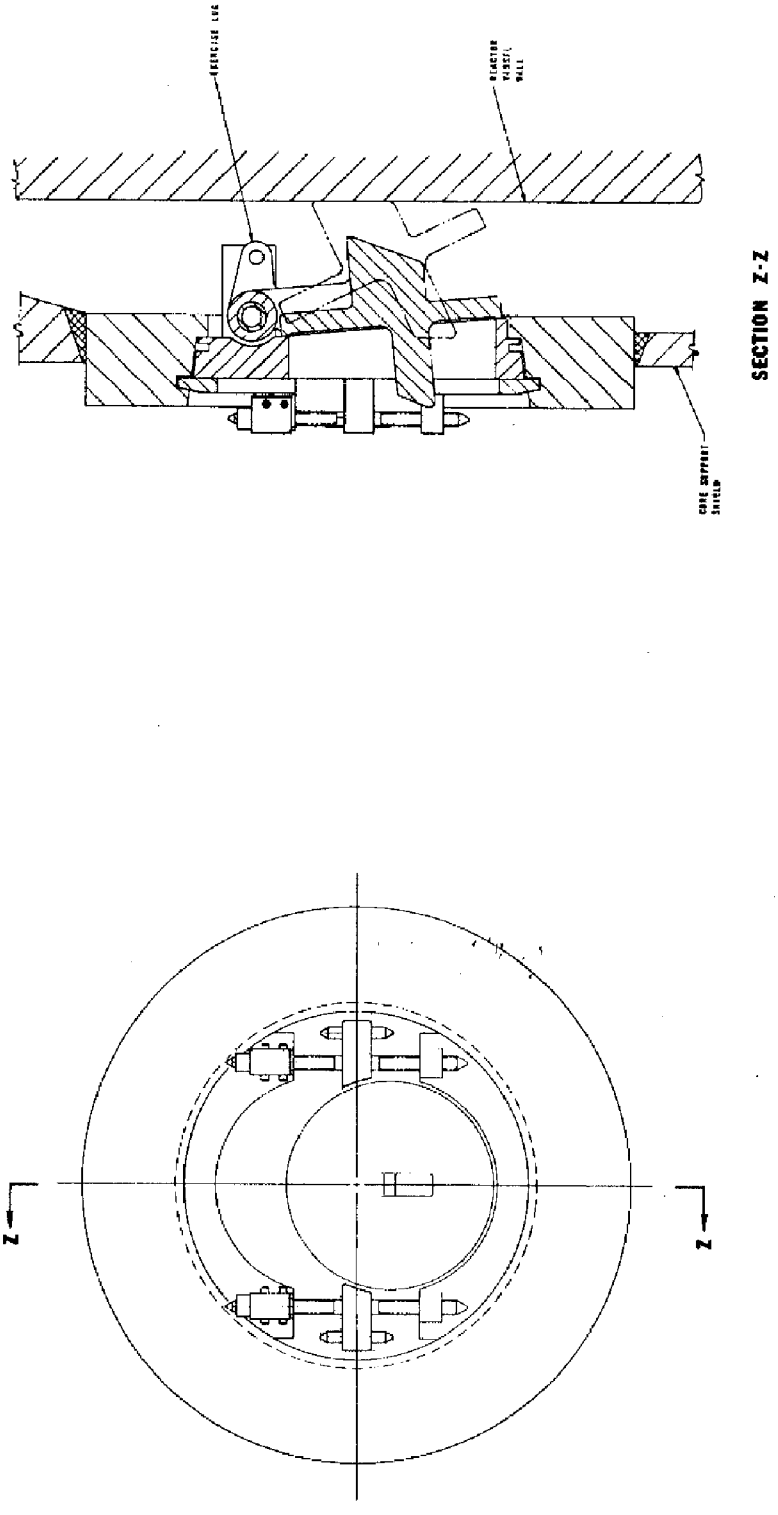


Figure 4-31. Control Rod Assembly

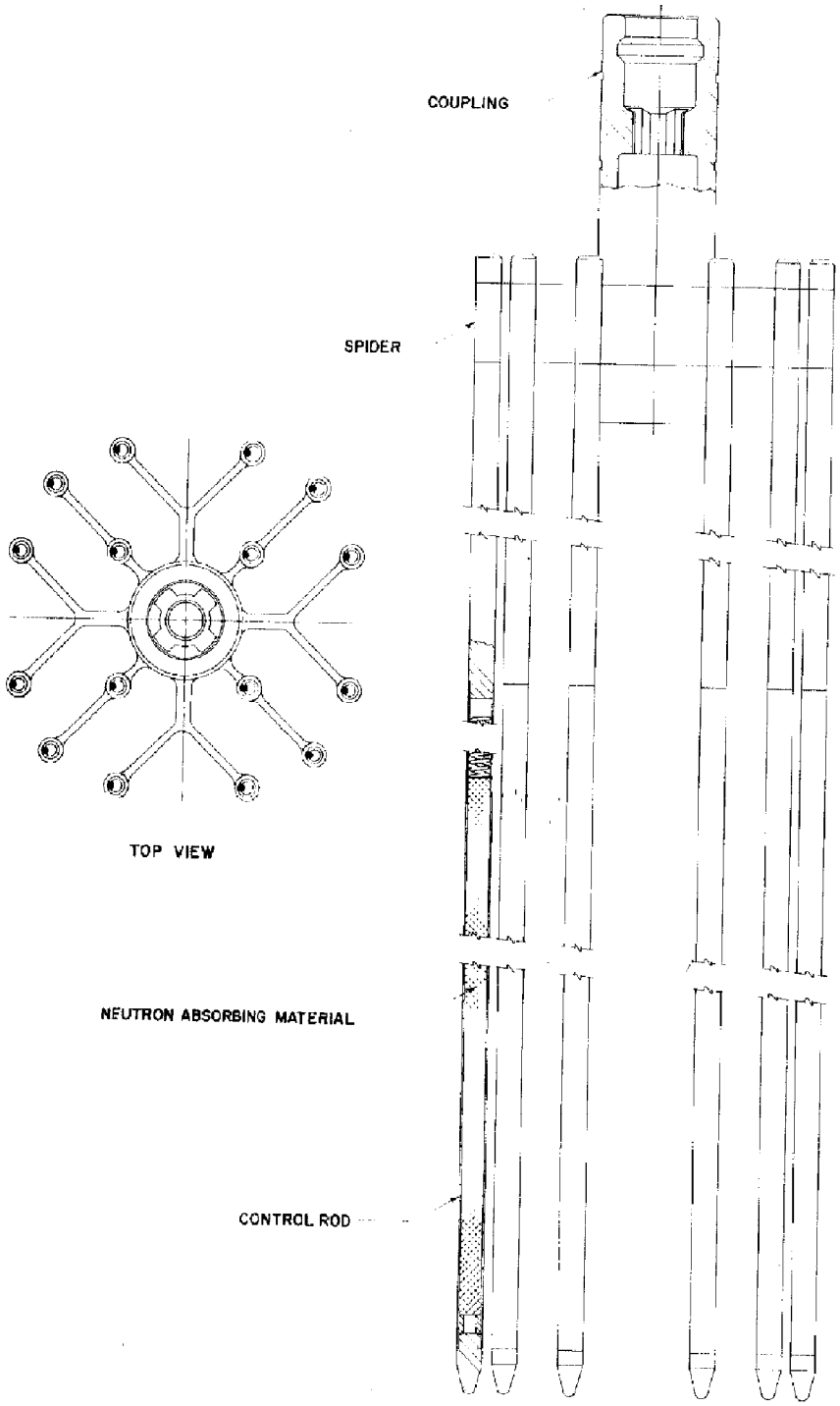


Figure 4-32. Axial Power Shaping Rod Assembly

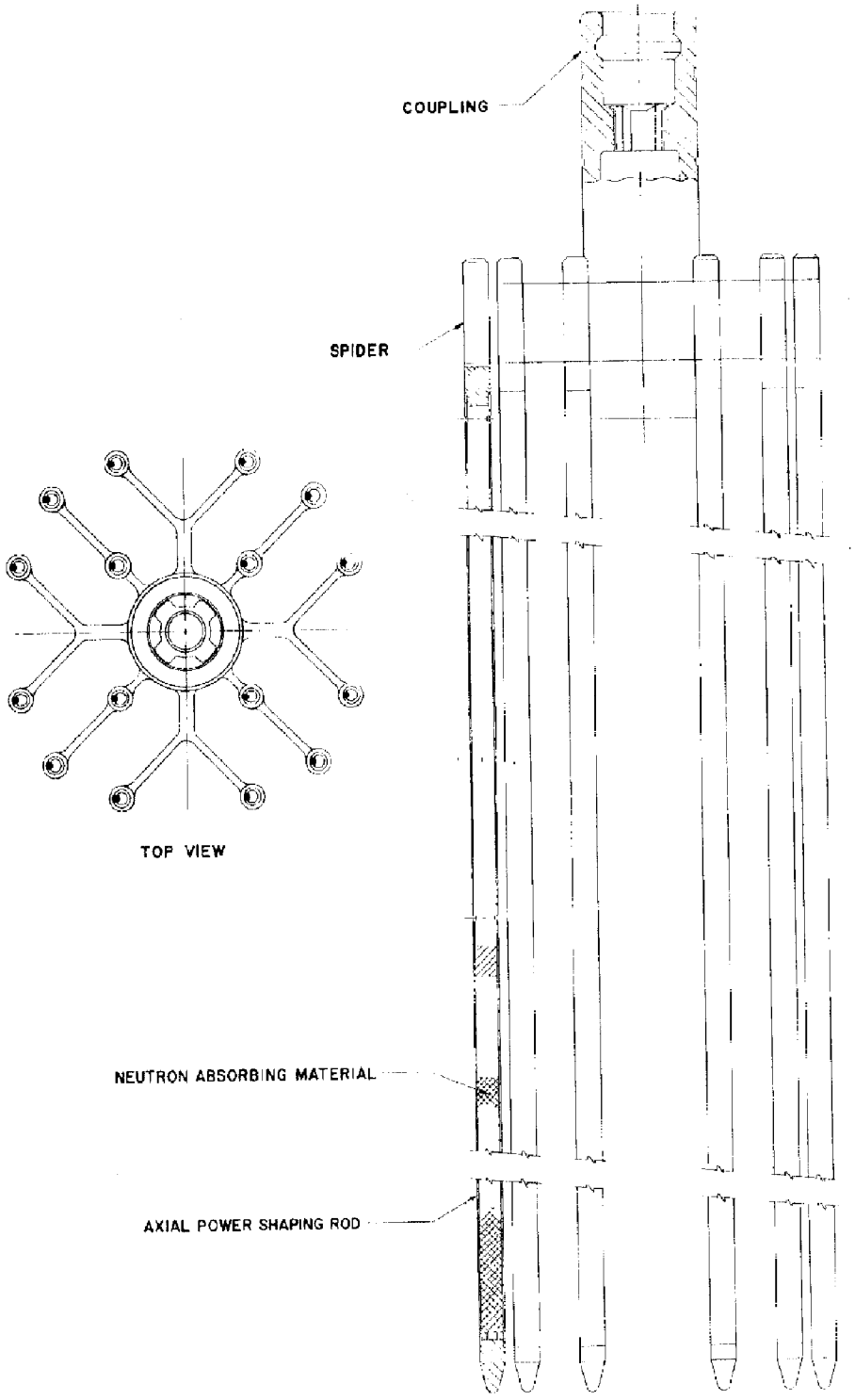


Figure 4-33. Deleted Per 1999 Update

Figure 4-34. Control Rod Drive - General Arrangement

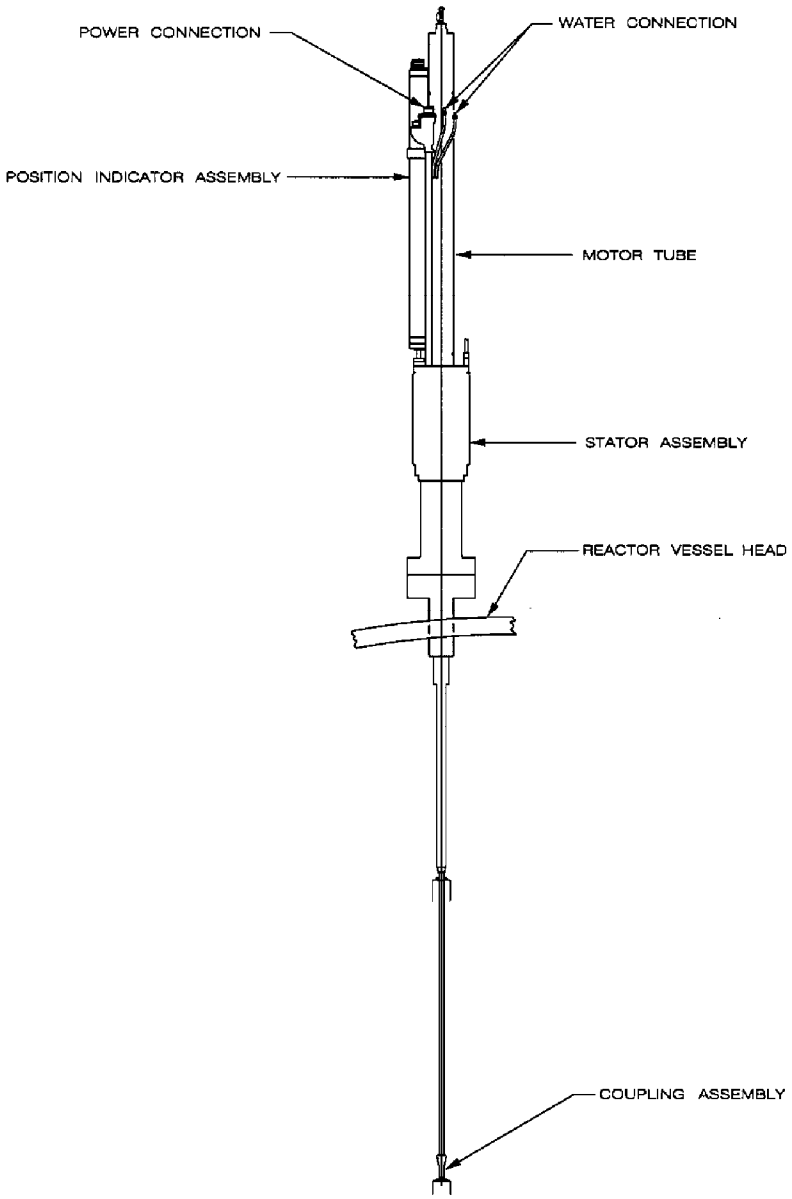


Figure 4-35. Deleted Per 1999 Update

Figure 4-36. Deleted Per 1999 Update

Figure 4-37. Typical Fuel Assembly

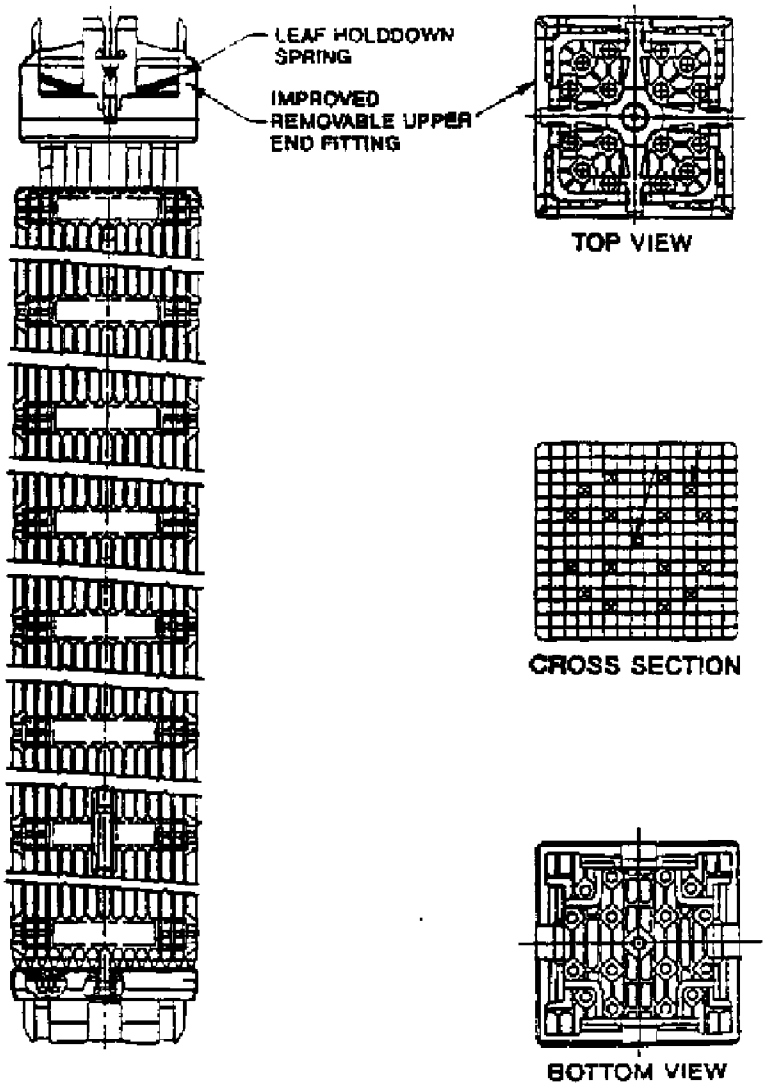


Figure 4-38. Westinghouse 177 Fuel Assembly