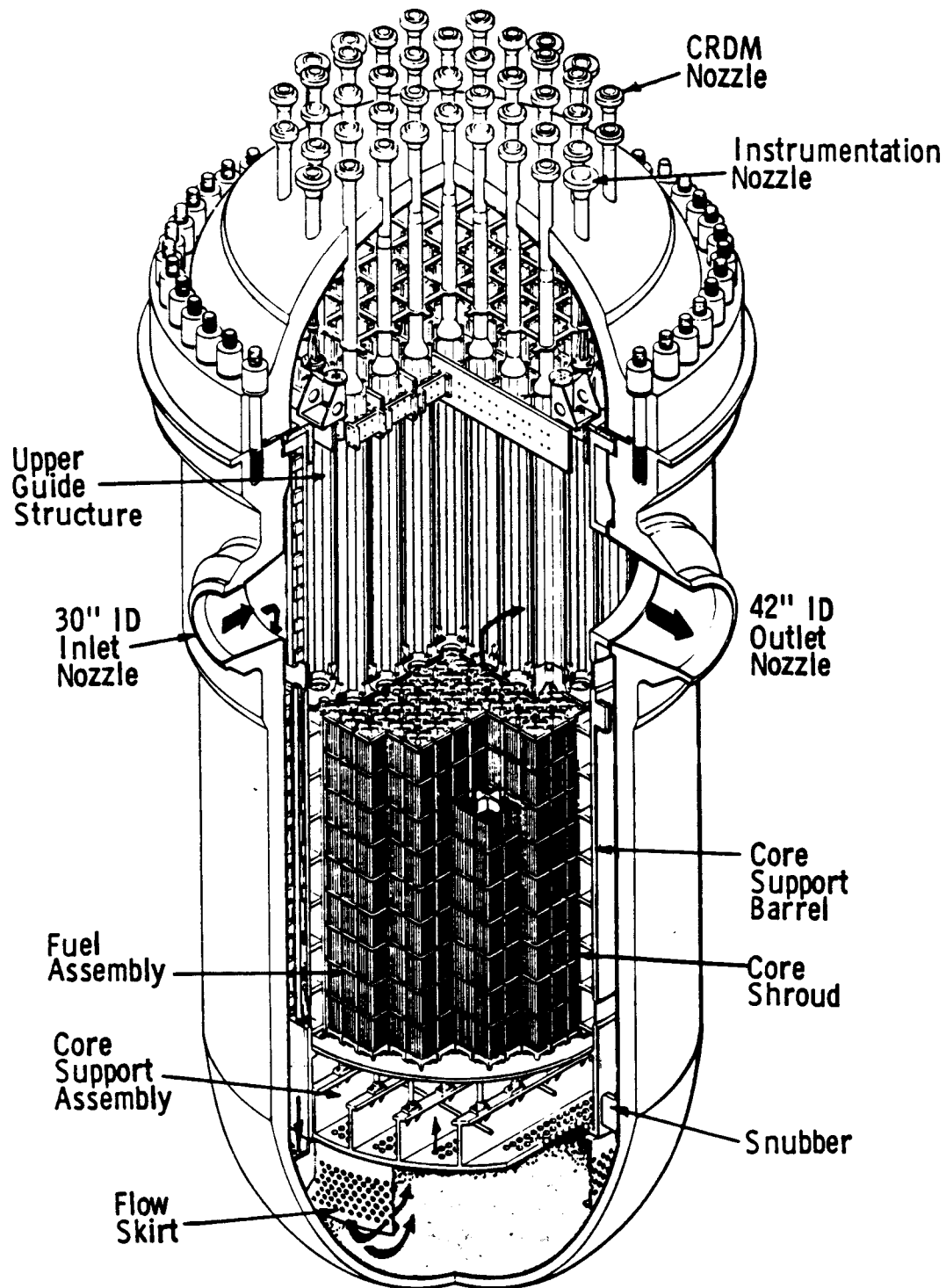
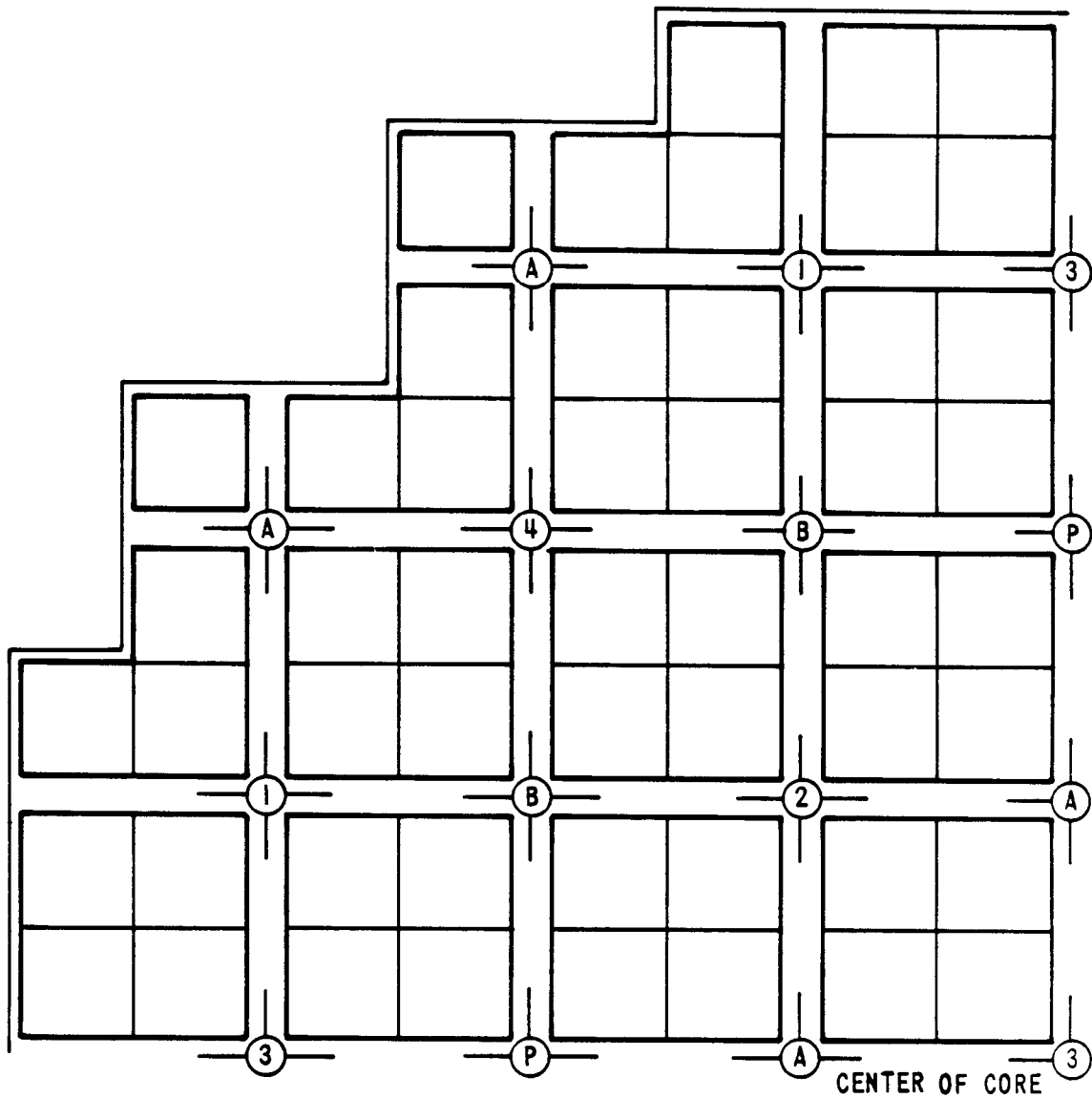


REACTOR

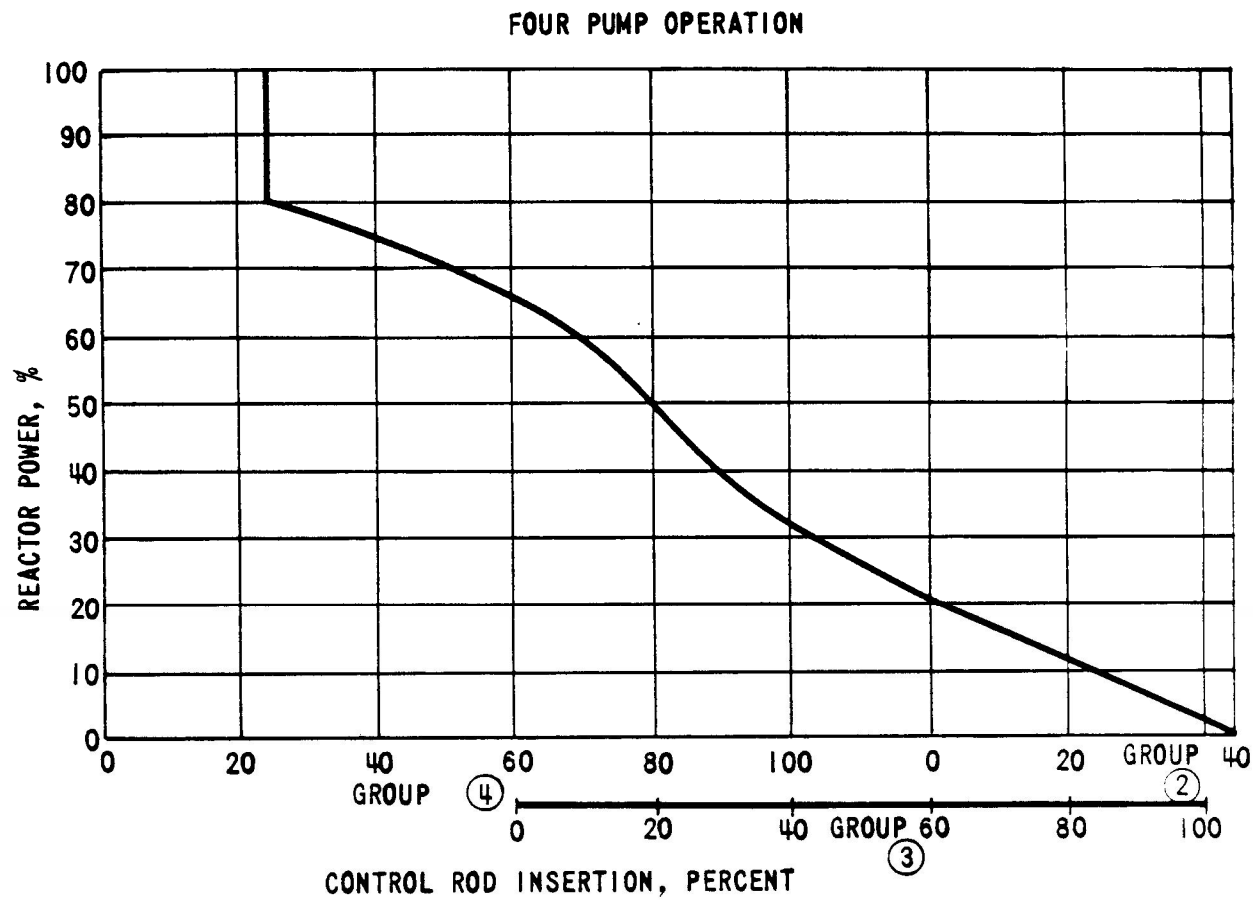
ARRANGEMENT



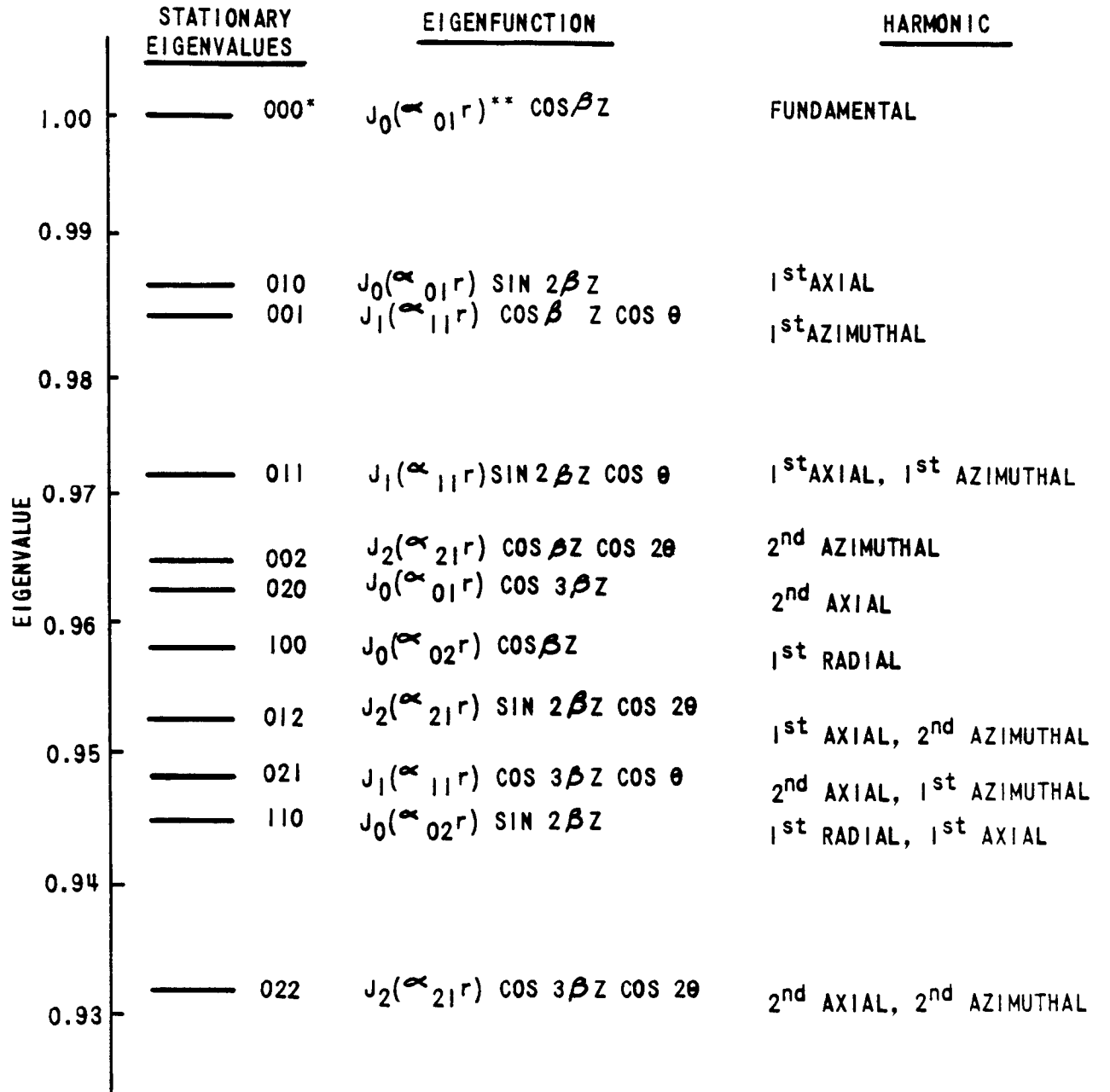
**POSITION OF FUEL ASSEMBLIES AND
CONTROL ROD GROUPS IN THE PALISADES CORE****LEGEND****CONTROL ROD GROUPS**

- ① ② ③ ④ REGULATING
- Ⓐ Ⓑ SHUT DOWN
- Ⓟ PART LENGTH

CONTROL ROD INSERTION LIMITS



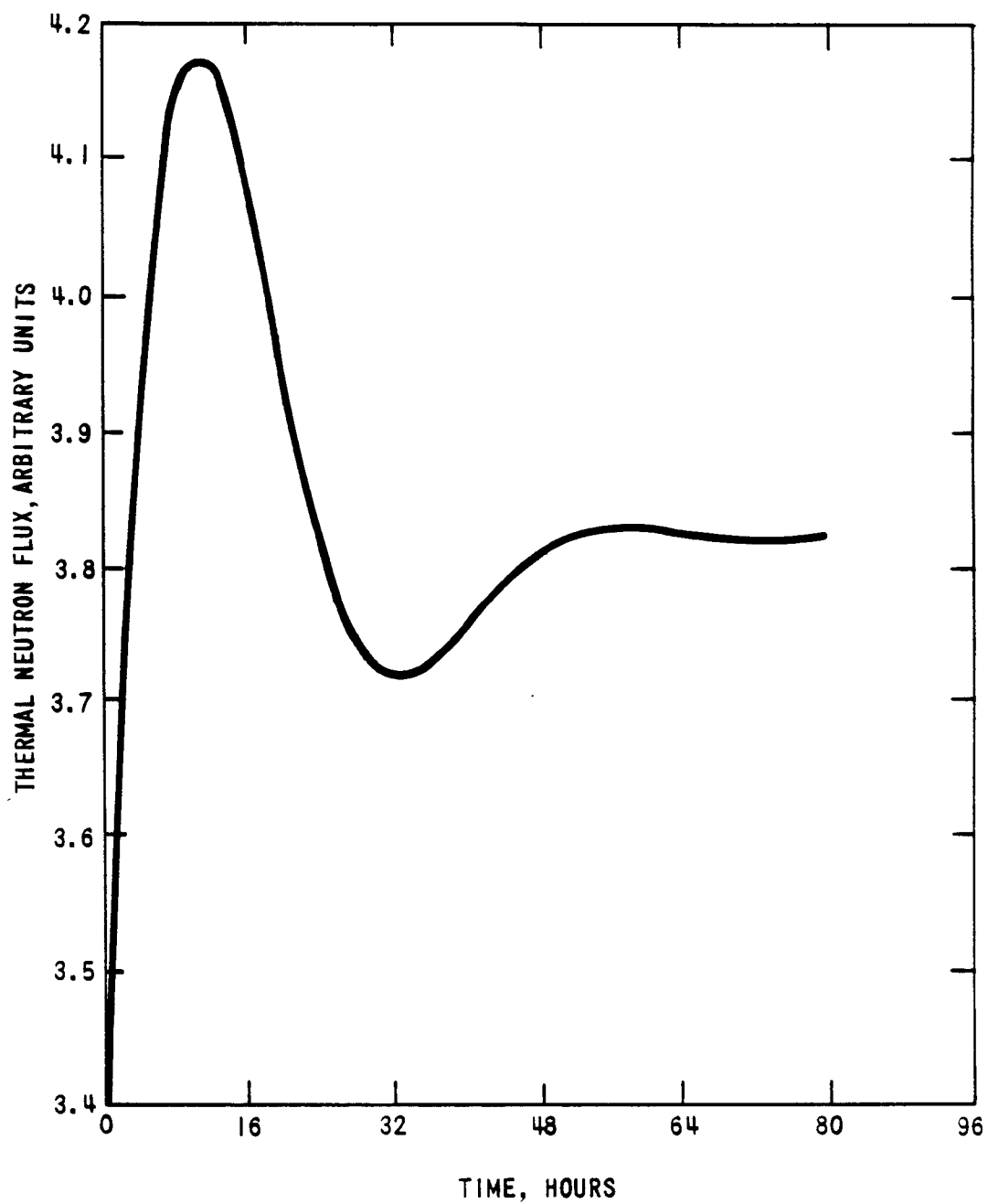
**REACTIVITY DIFFERENCE BETWEEN FUNDAMENTAL AND
EXCITED STATES OF A BARE CYLINDRICAL REACTOR**



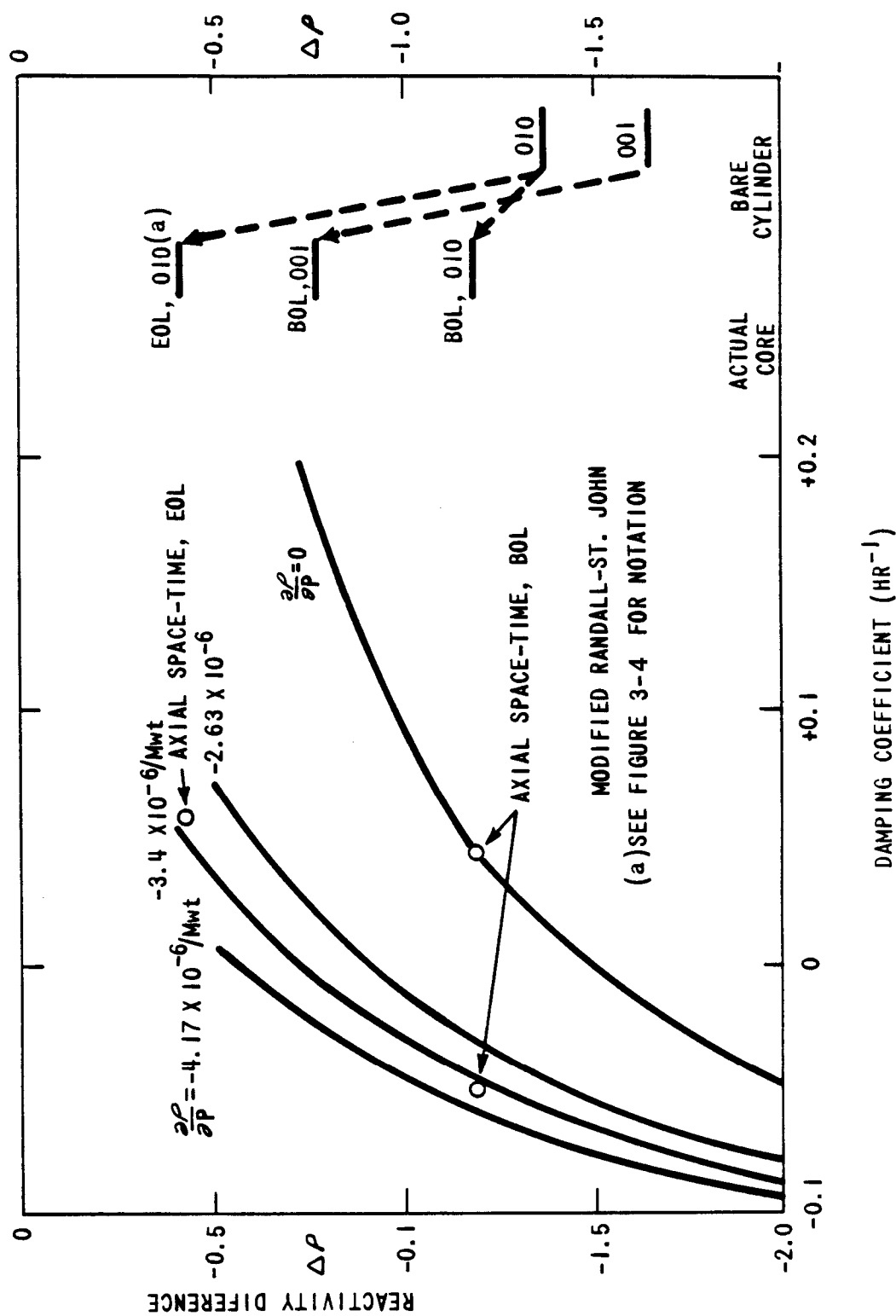
* THE INDICES INDICATE RADIAL,
AXIAL AND AZIMUTHAL COMPONENTS
OF THE SEPARABLE MODES IN THAT
ORDER

** α_{ij} INDICATES THE j^{th} ZERO OF THE i^{th}
BESSEL FUNCTION

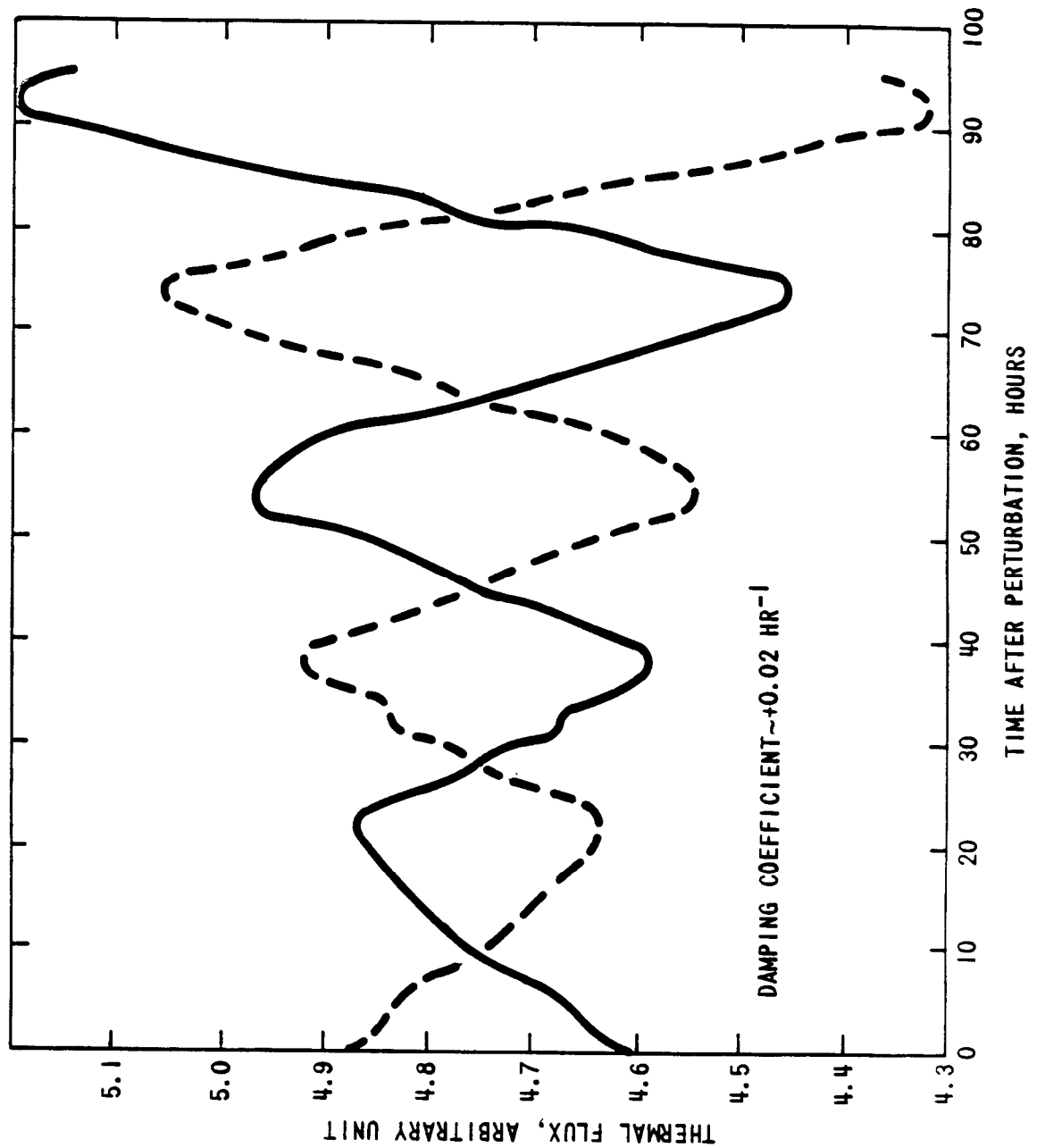
THERMAL NEUTRON FLUX AT THE CENTER OF THE CORE VS TIME



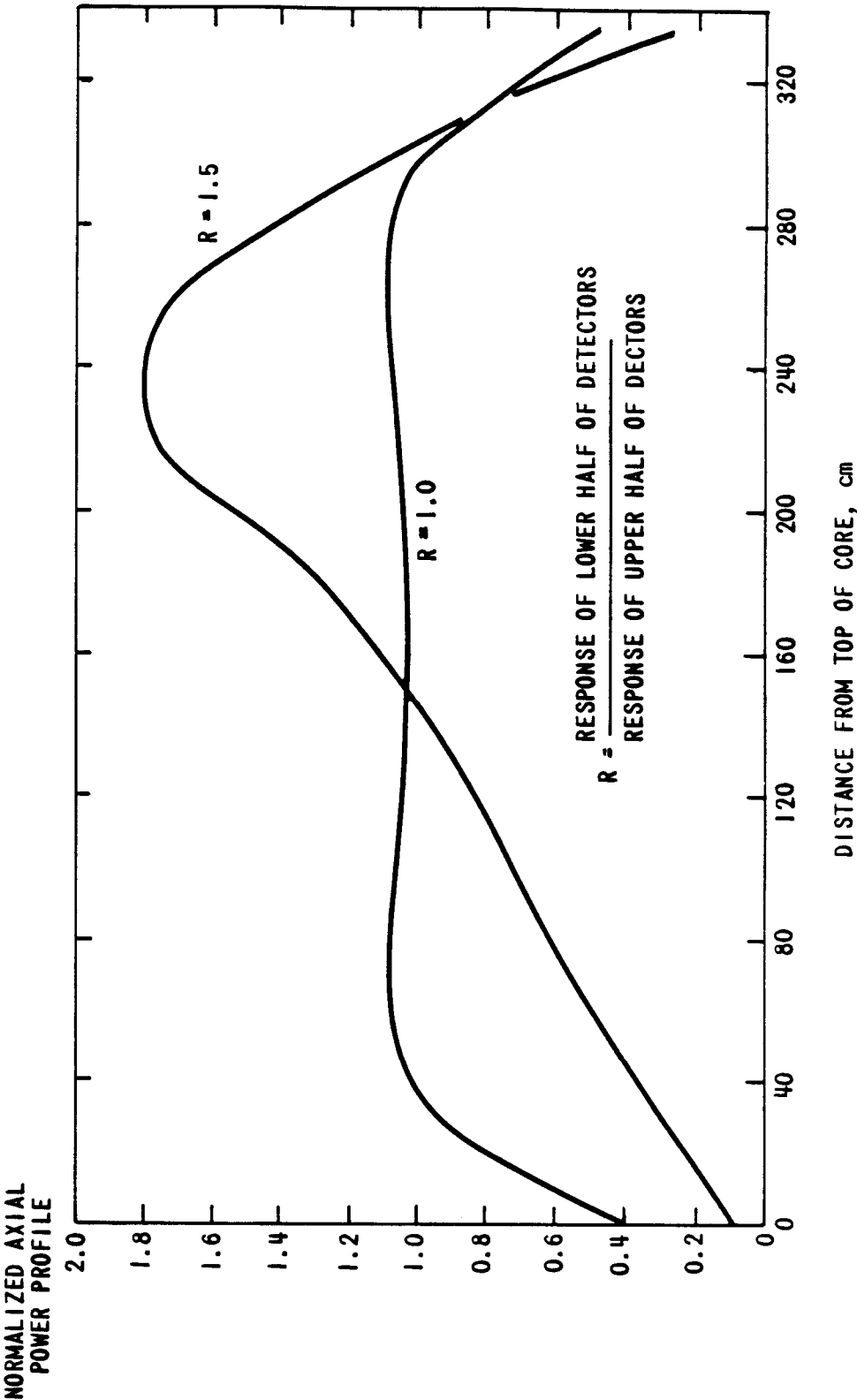
DAMPING COEFFICIENT VS REACTIVITY DIFFERENCE BETWEEN
FUNDAMENTAL AND EXCITED STATE

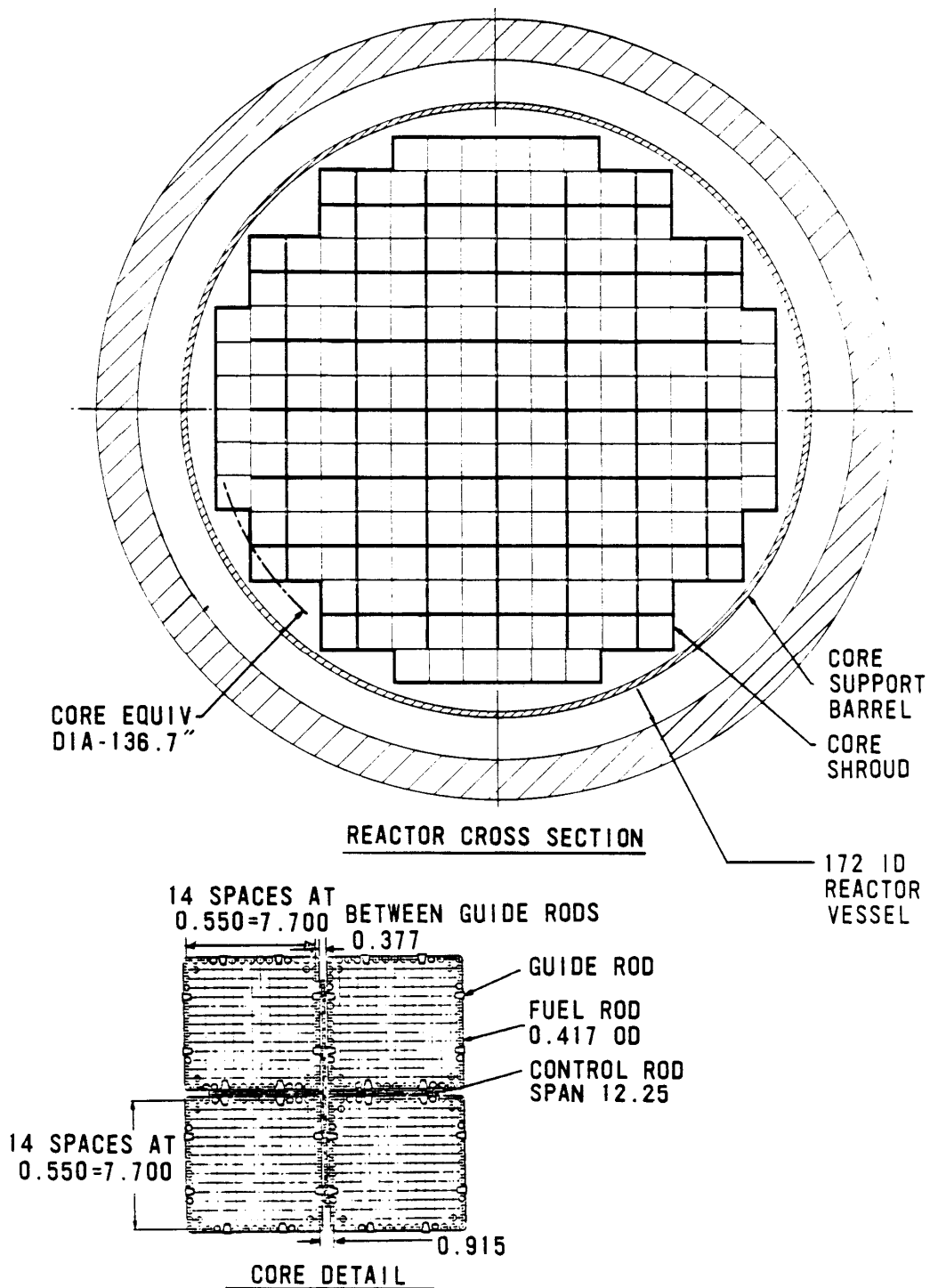


END OF LIFE AXIAL OSCILLATIONS WITH DOPPLER FEEDBACK,
FULL POWER (2-HOUR TIME STEPS)

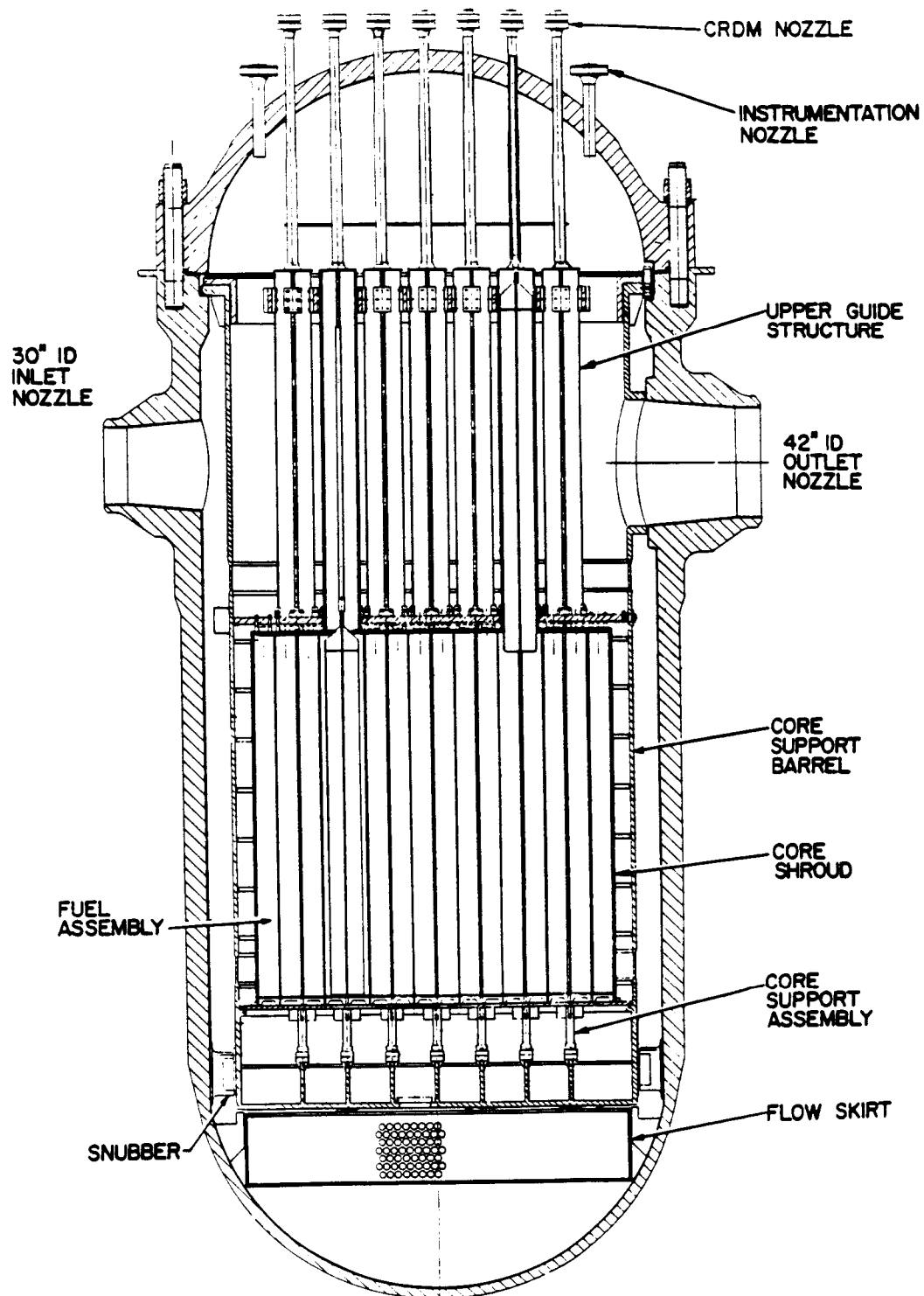


SPLIT DETECTOR RESPONSE TO AXIAL POWER PROFILES IN THE CORE

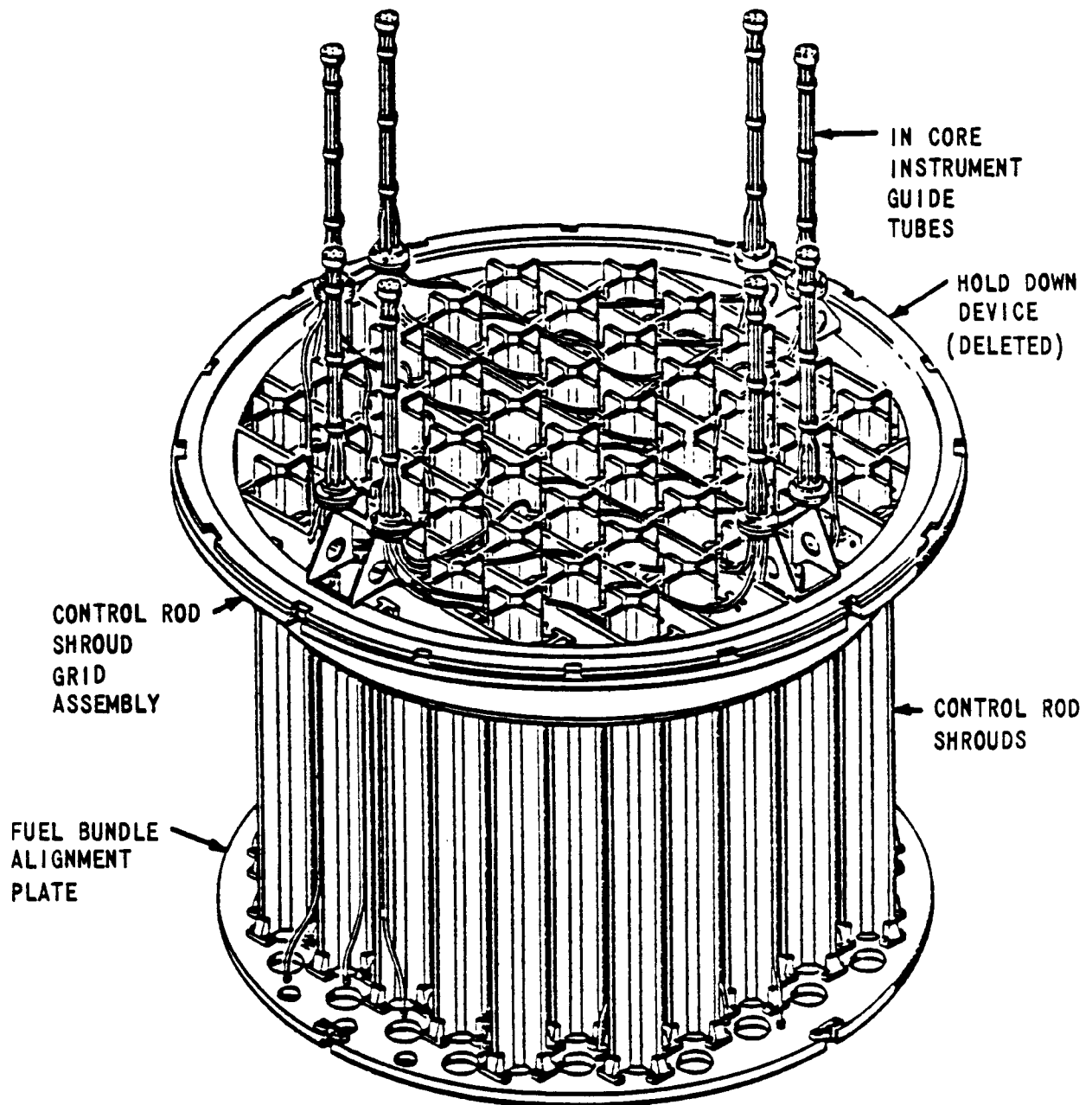


REACTOR CORE CROSS SECTION

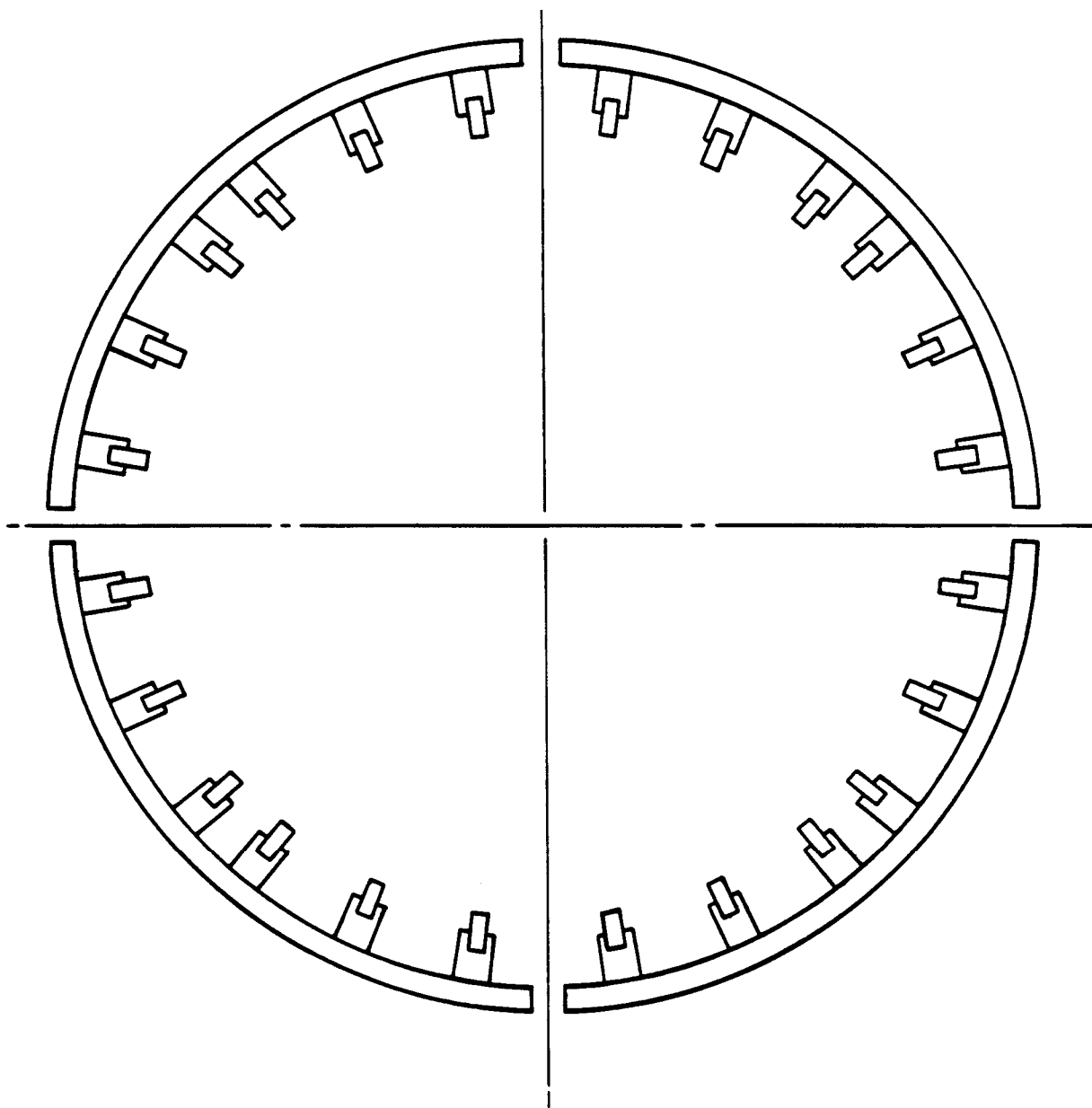
REACTOR ARRANGEMENT



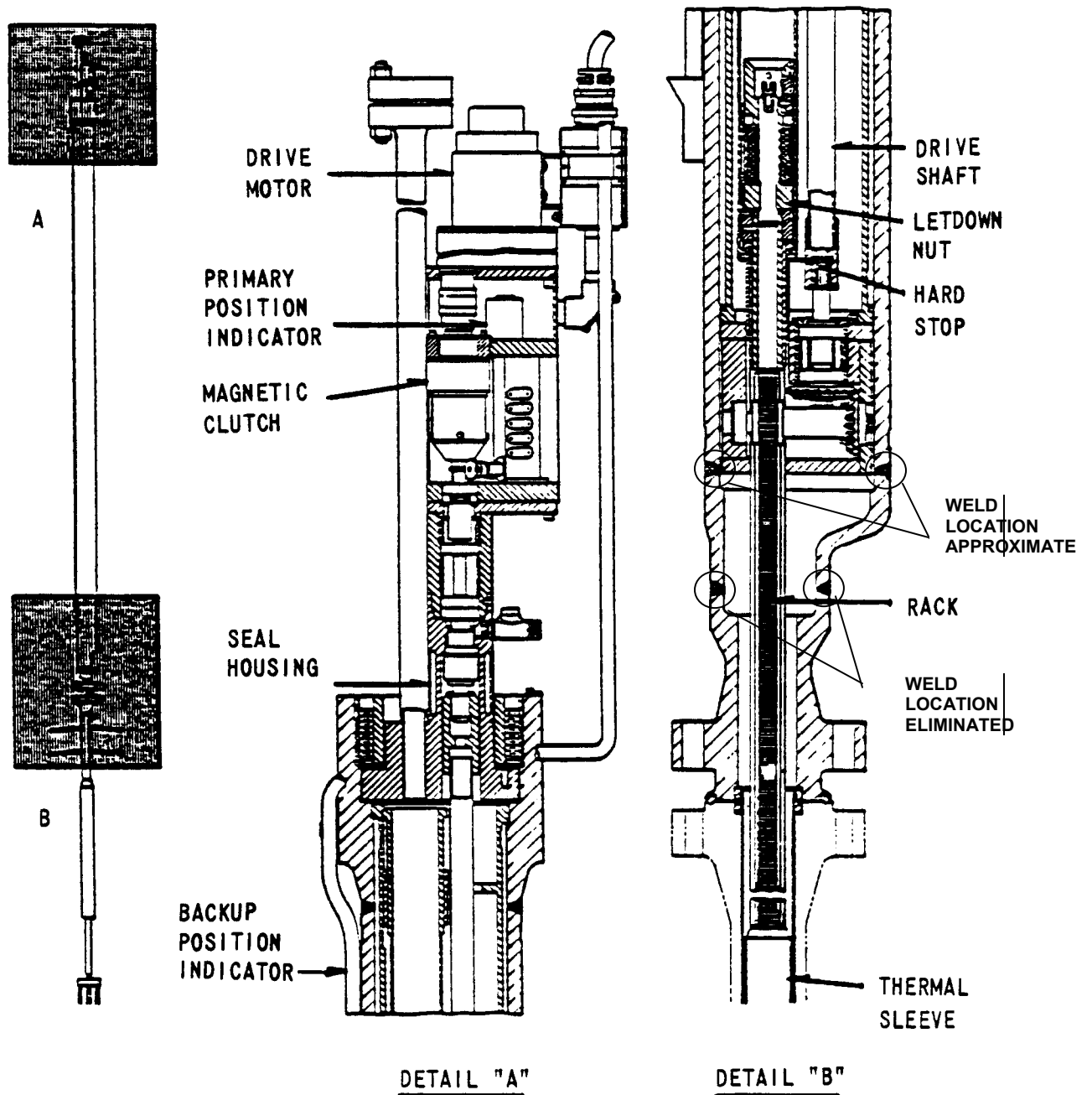
UPPER GUIDE STRUCTURE ASSEMBLY



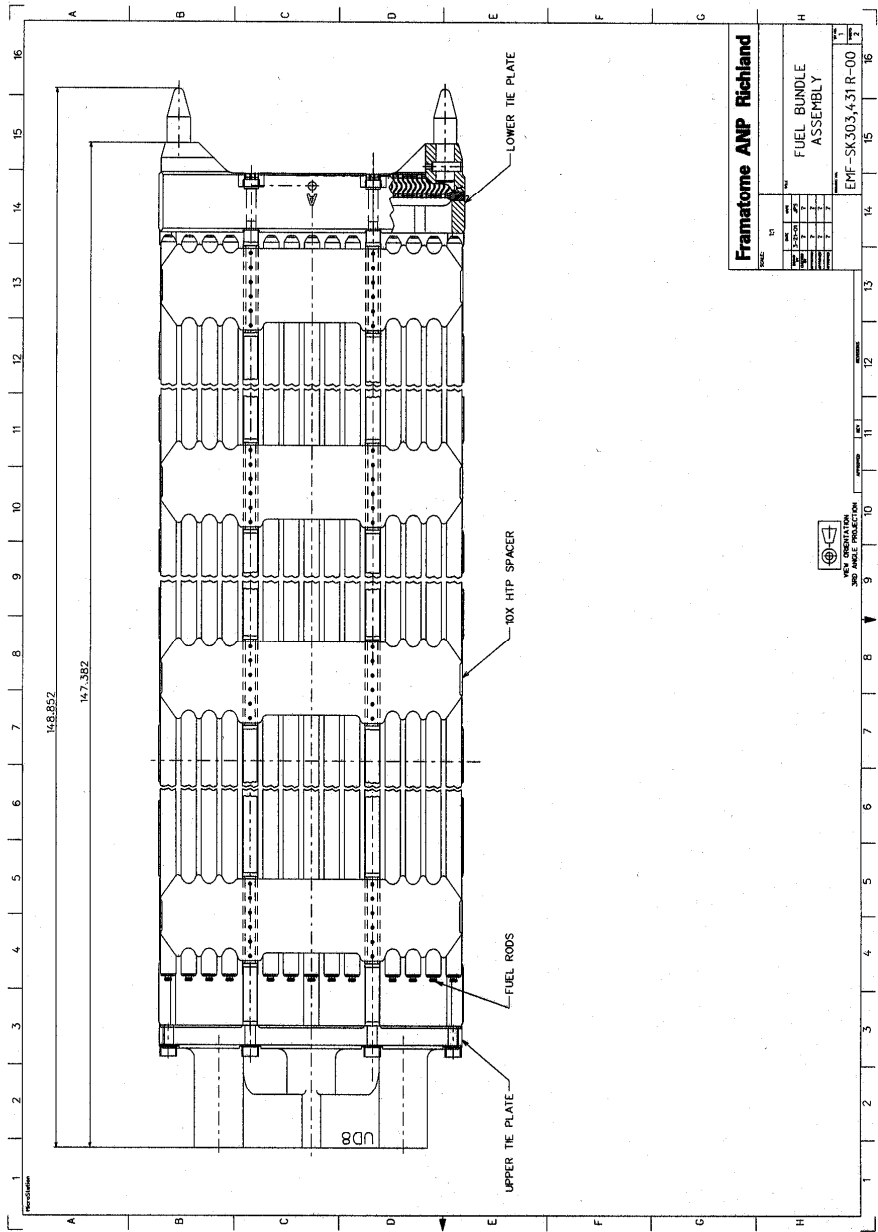
HOLD DOWN RING



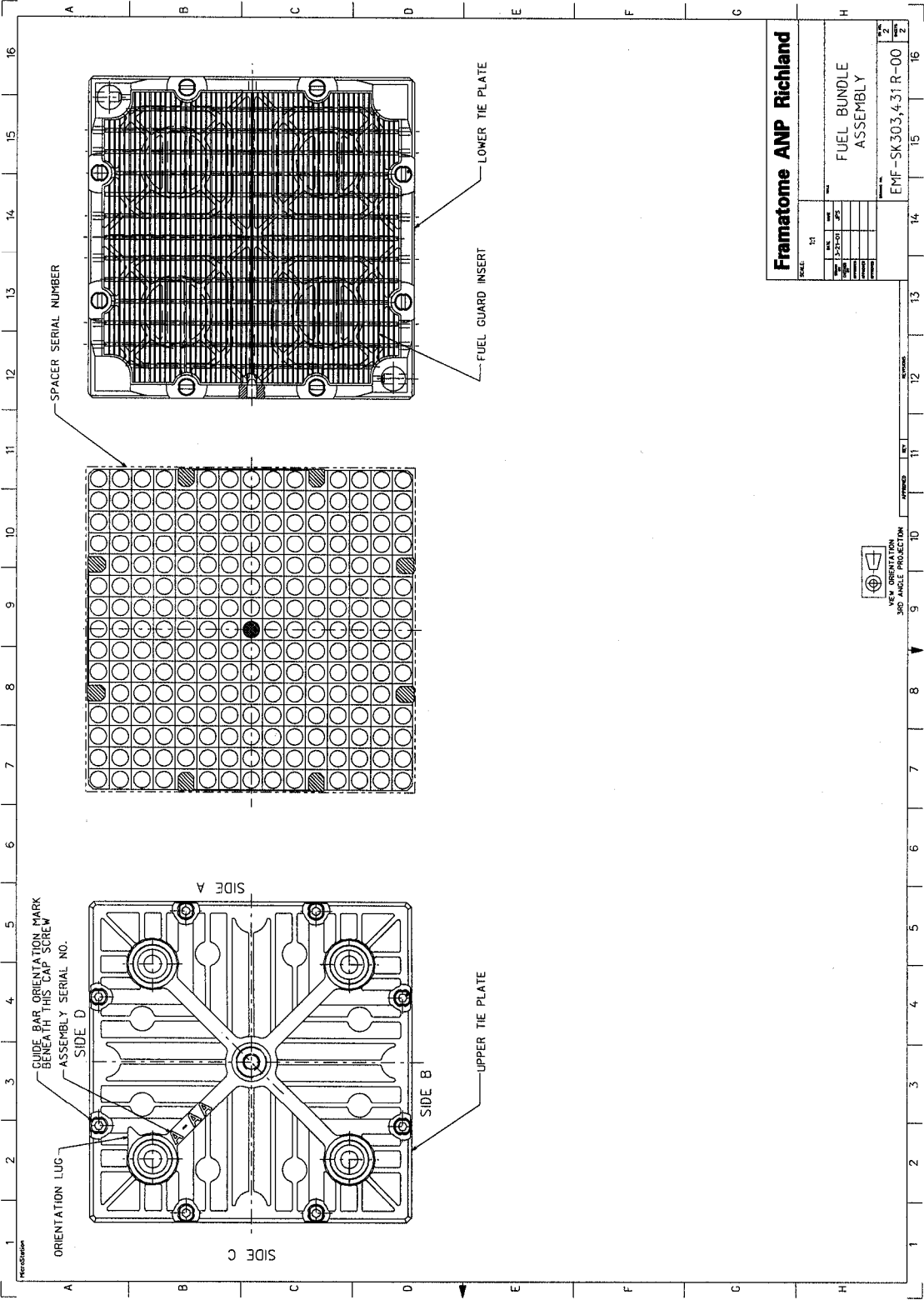
CONTROL ROD DRIVE MECHANISM



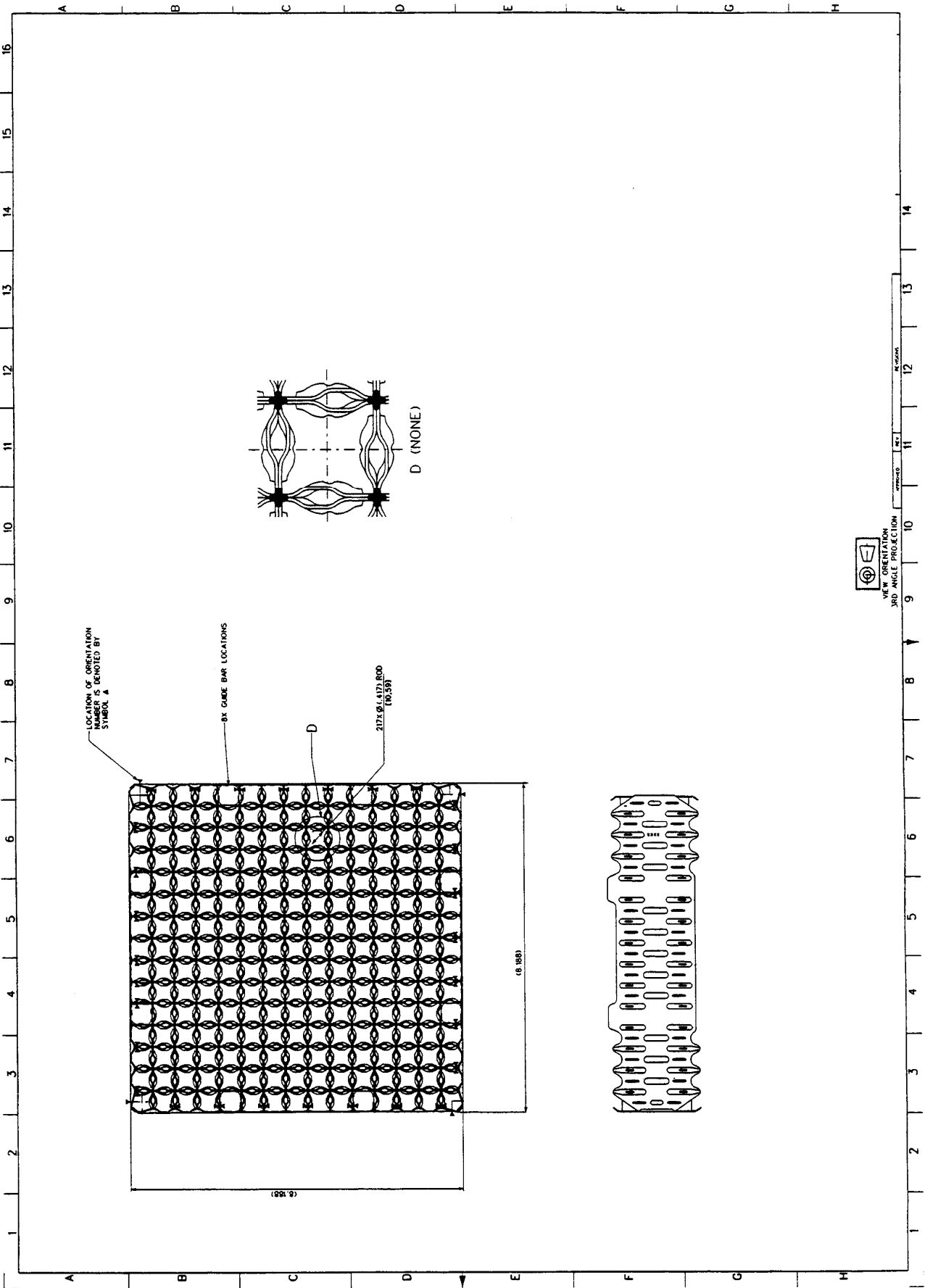
FUEL BUNDLE ASSEMBLY
Sheet 1 of 2



FUEL BUNDLE ASSEMBLY
Sheet 2 of 2

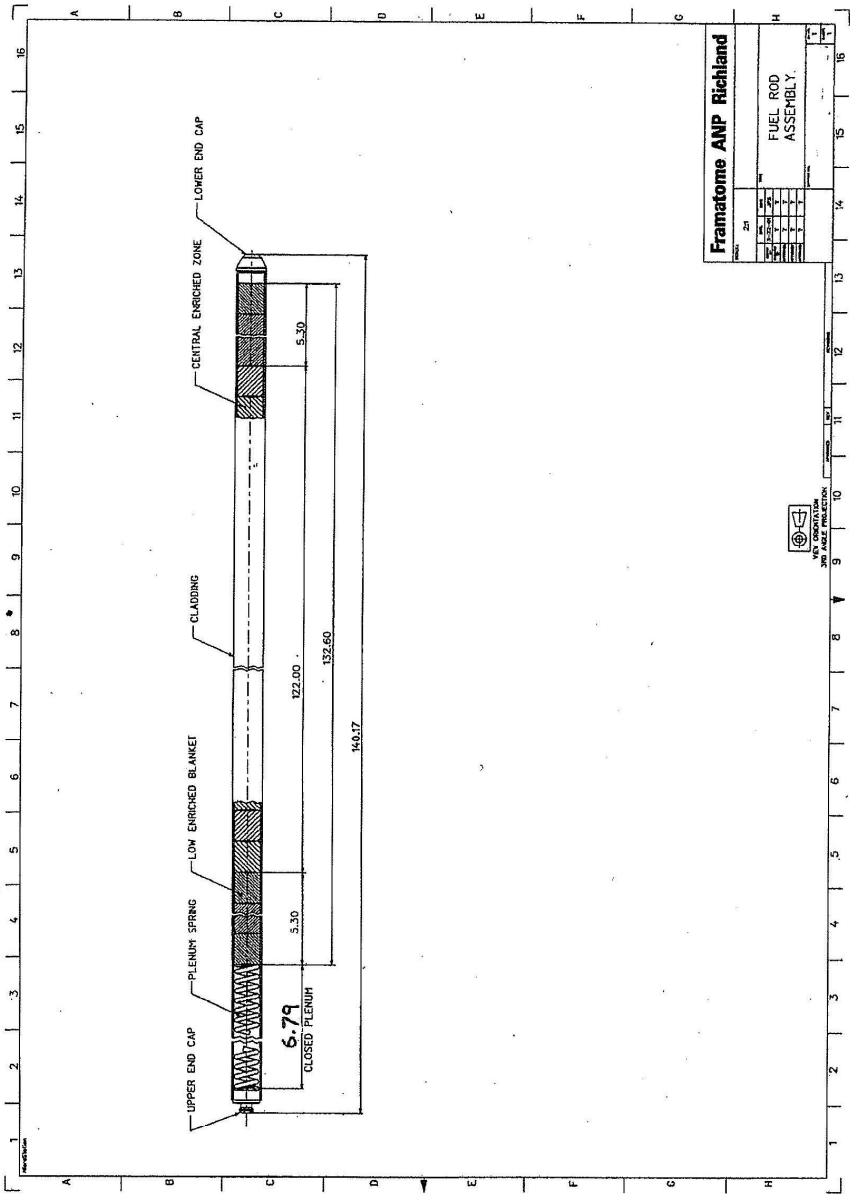


SPACER ASSEMBLY
HTP

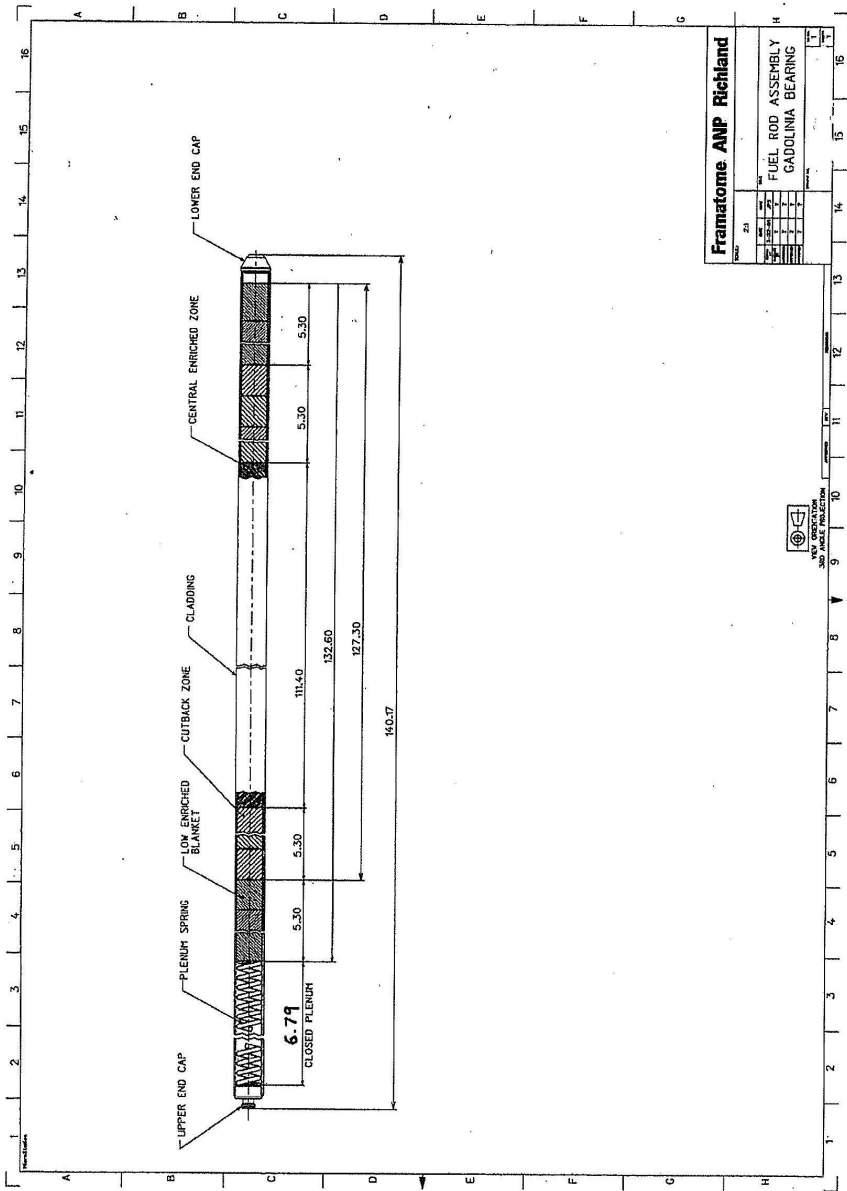


SPACER ASSEMBLY
HTP

UO₂ FUEL ROD ASSEMBLY



FUEL ROD ASSEMBLY
GADOLINIA BEARING



CONTROL ROD

