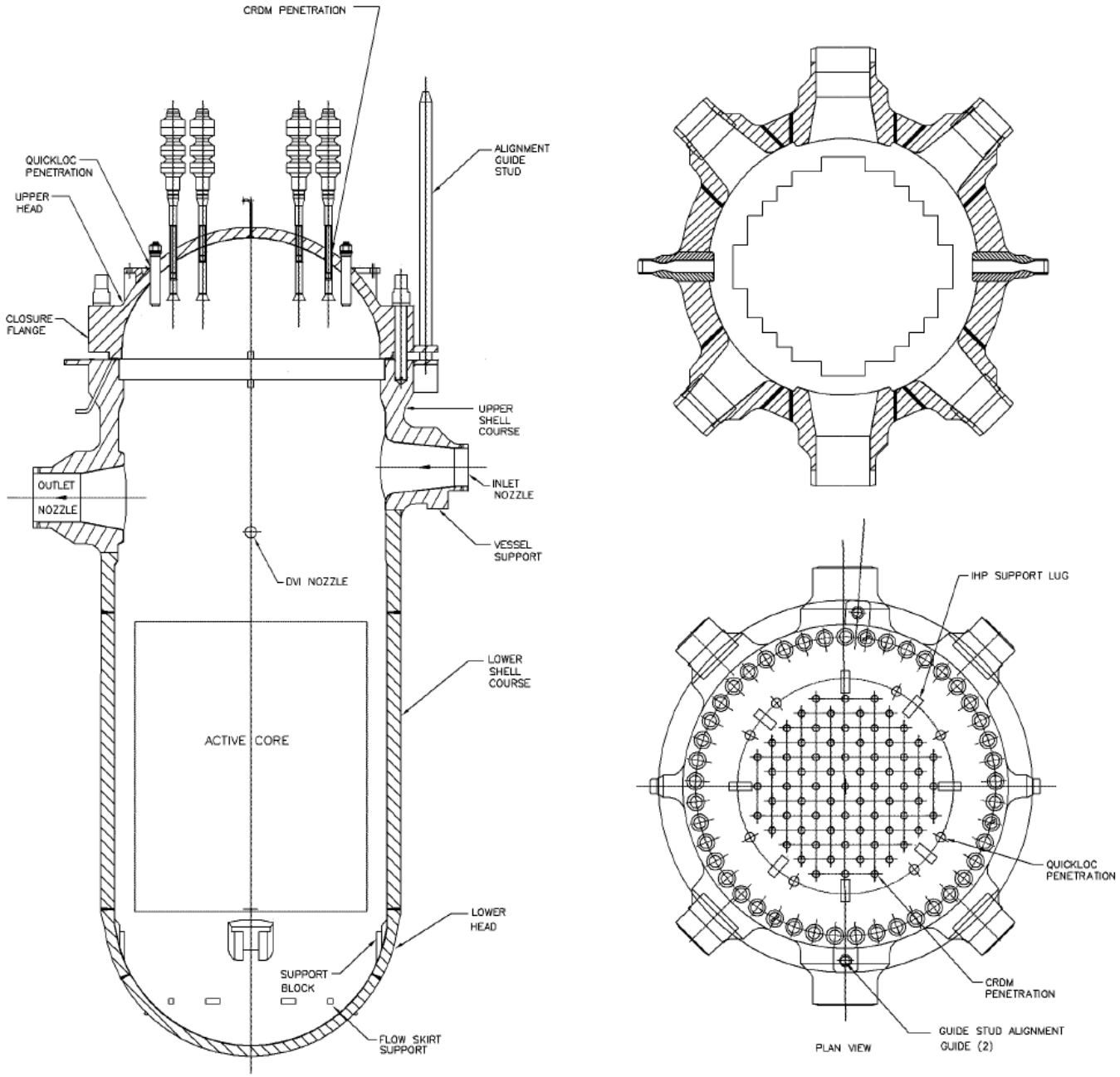
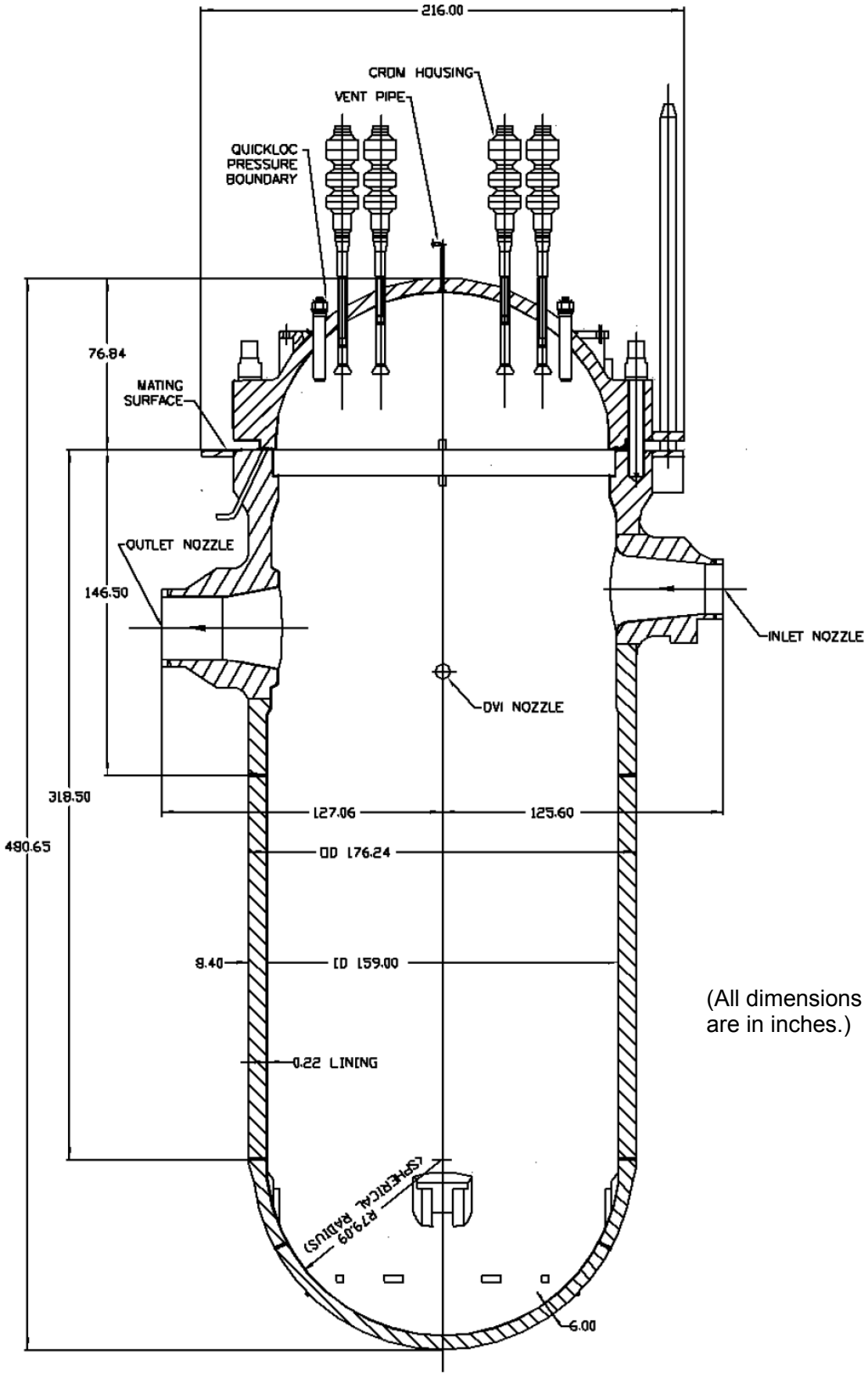


Figure 2-1 AP1000 Reactor Vessel



(All dimensions are in inches.)

Figure 2-2 AP1000 Reactor Vessel Dimensions

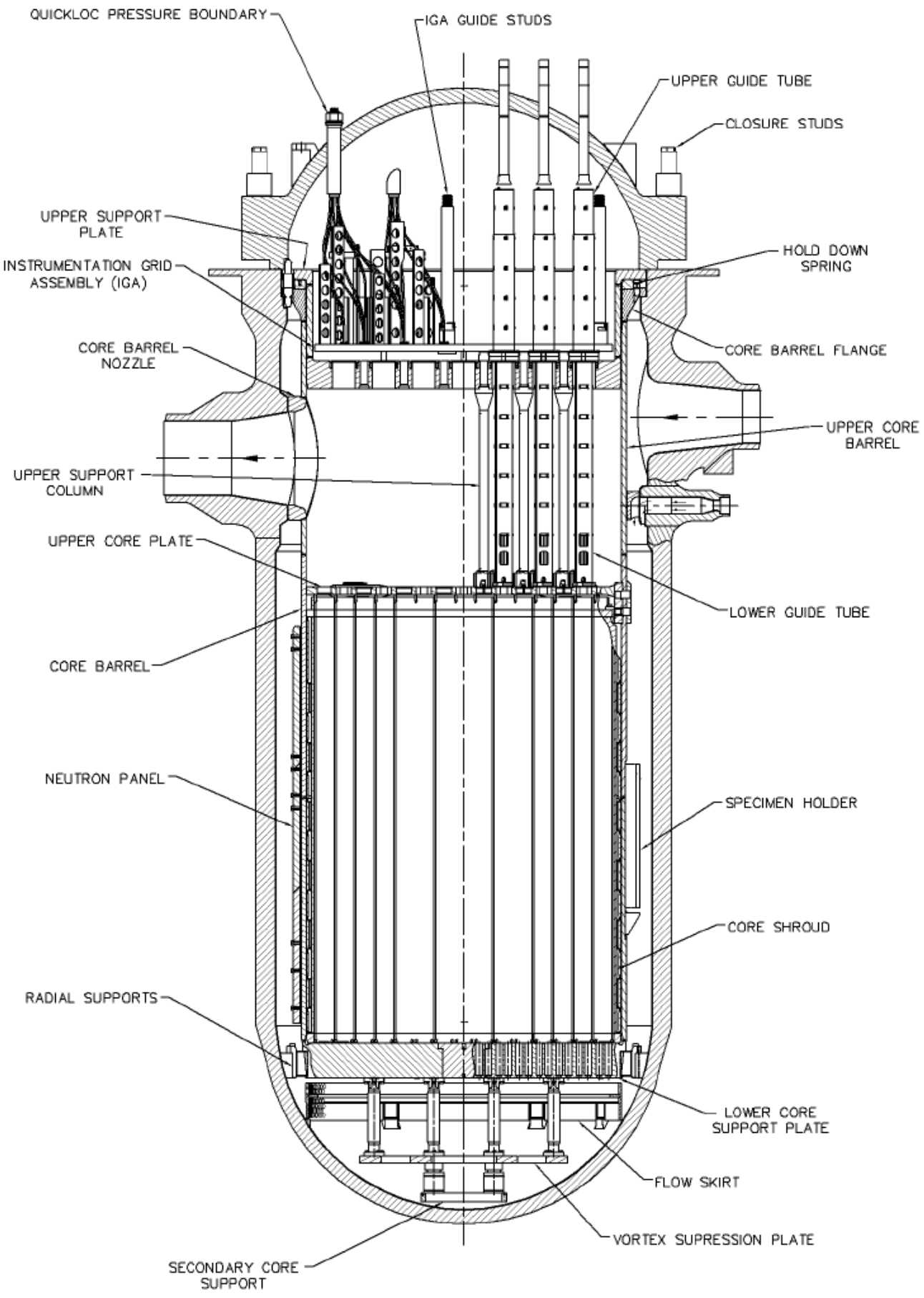


Figure 2-3 AP1000 Reactor Internal Loads

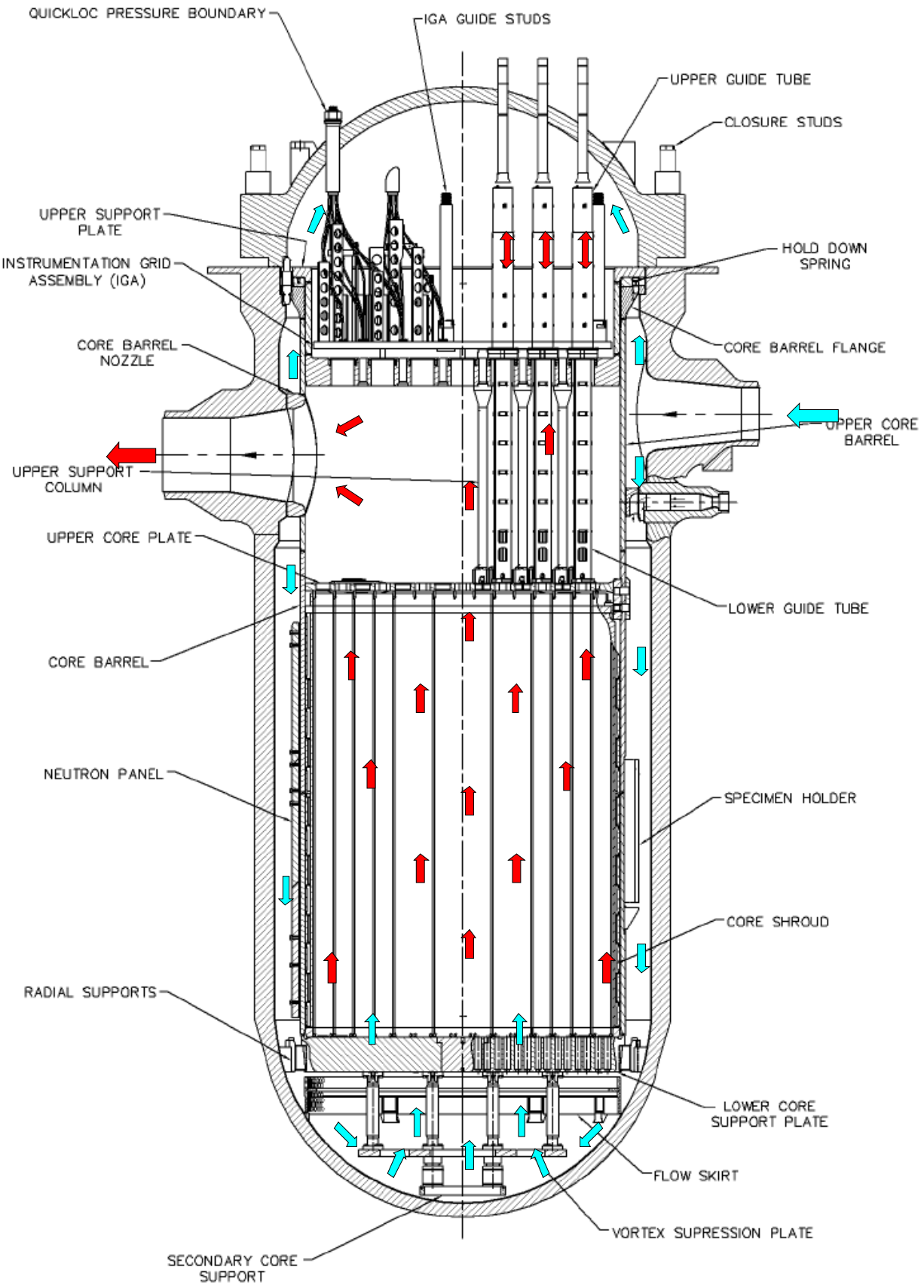


Figure 2-4 AP1000 Reactor Vessel Flowpaths

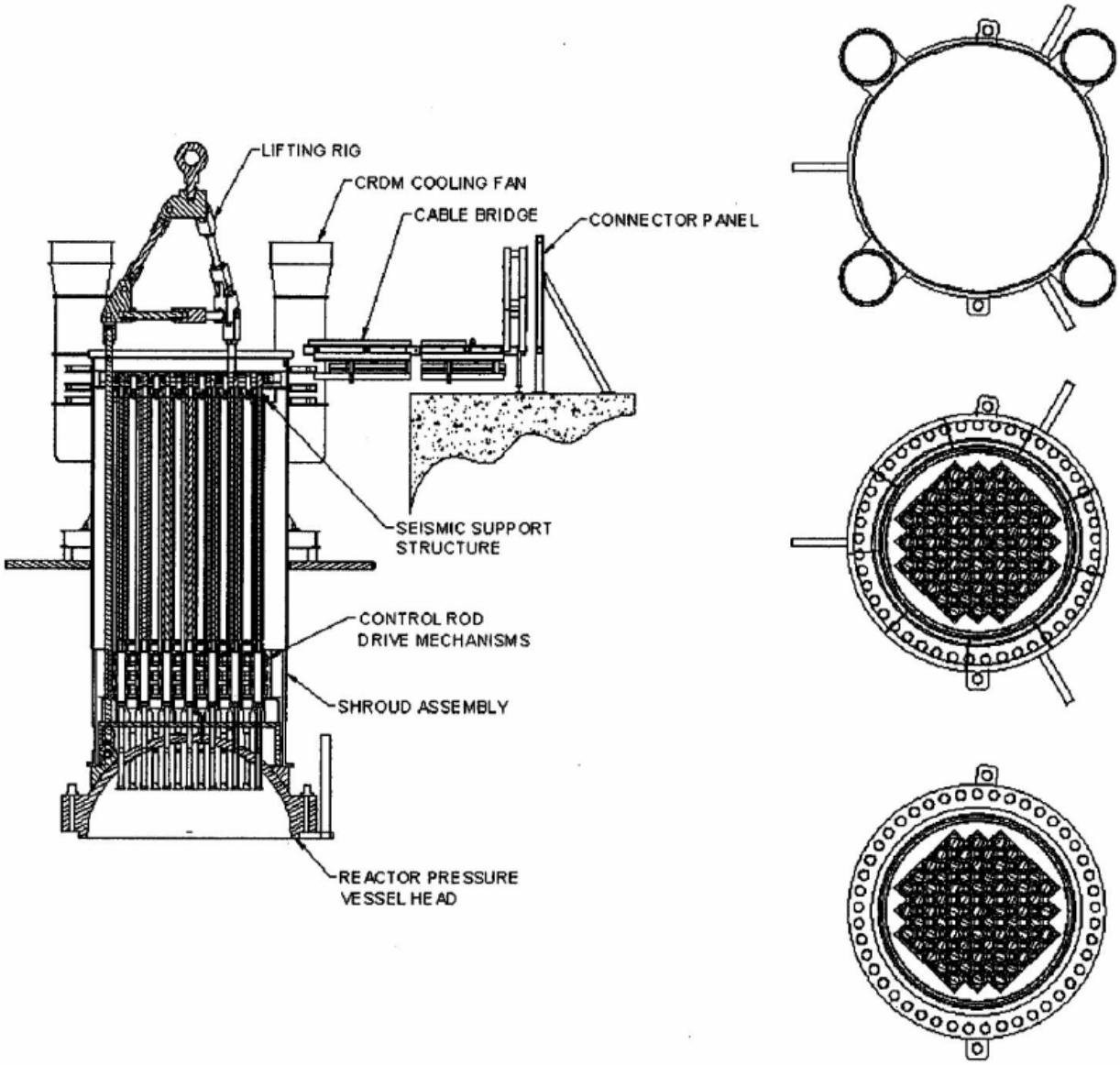


Figure 2-5 AP1000 Integrated Head Package

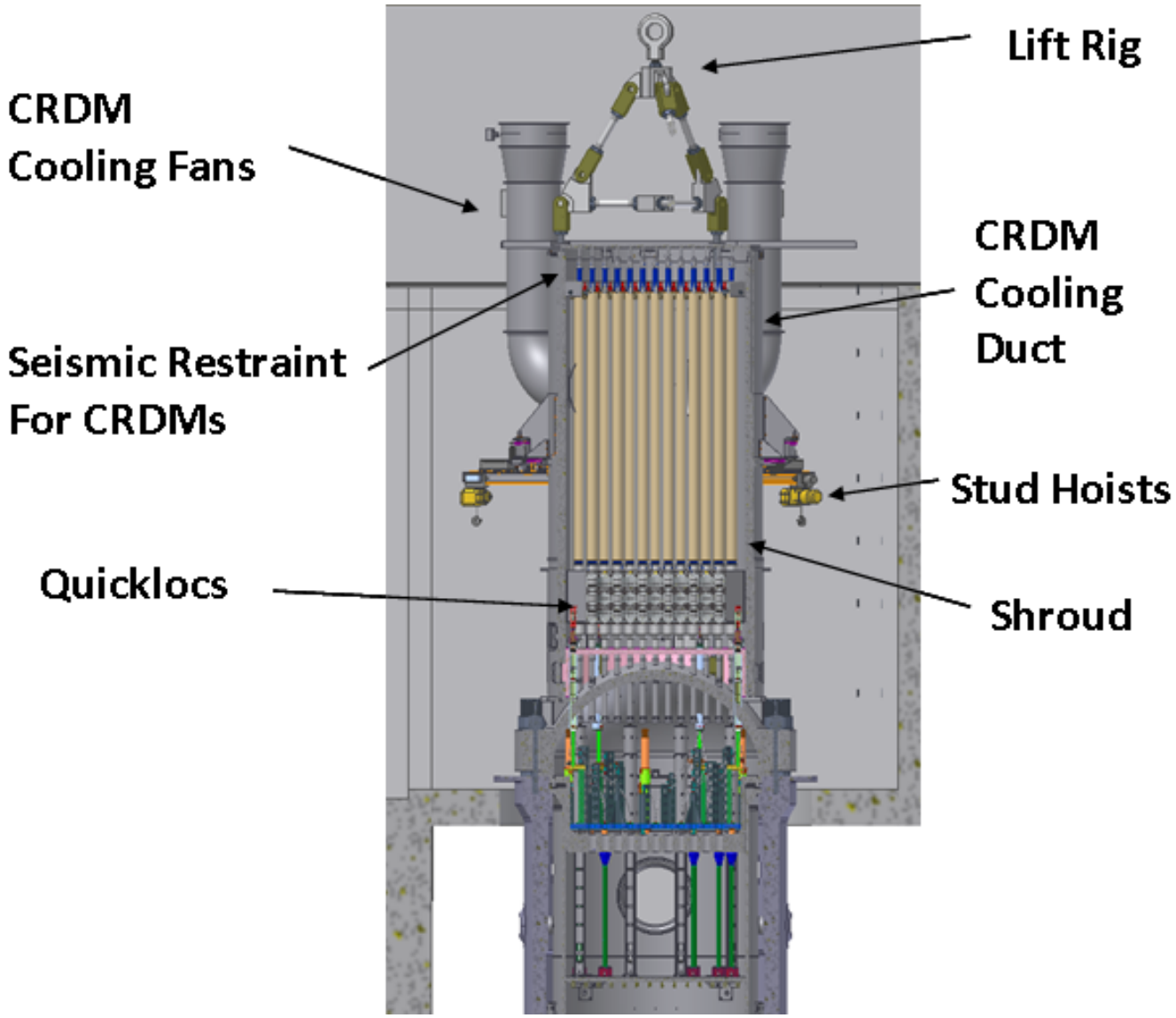


Figure 2-6 AP1000 Integrated Head Package - Details

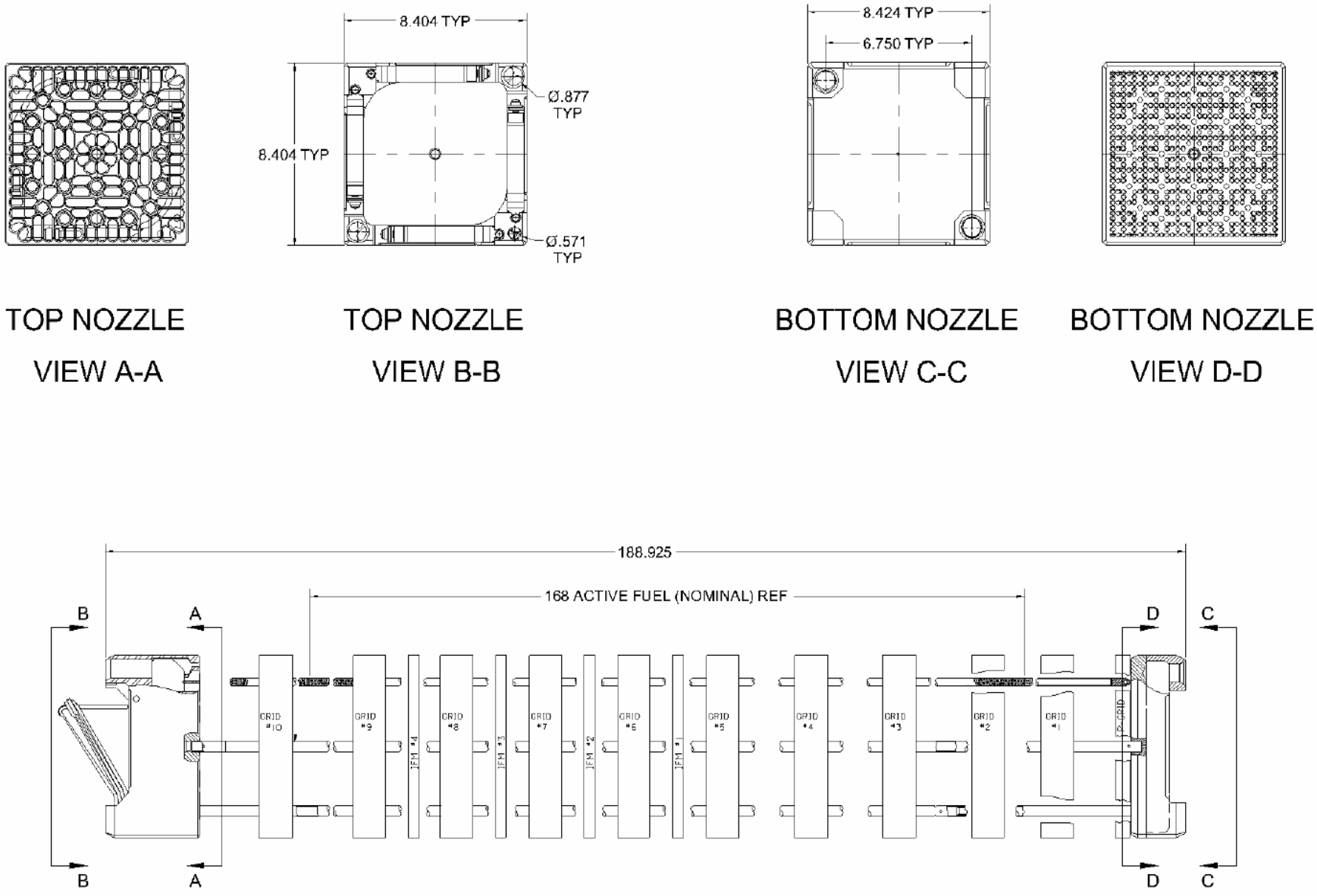


Figure 2-7 AP1000 Fuel Assembly Construction

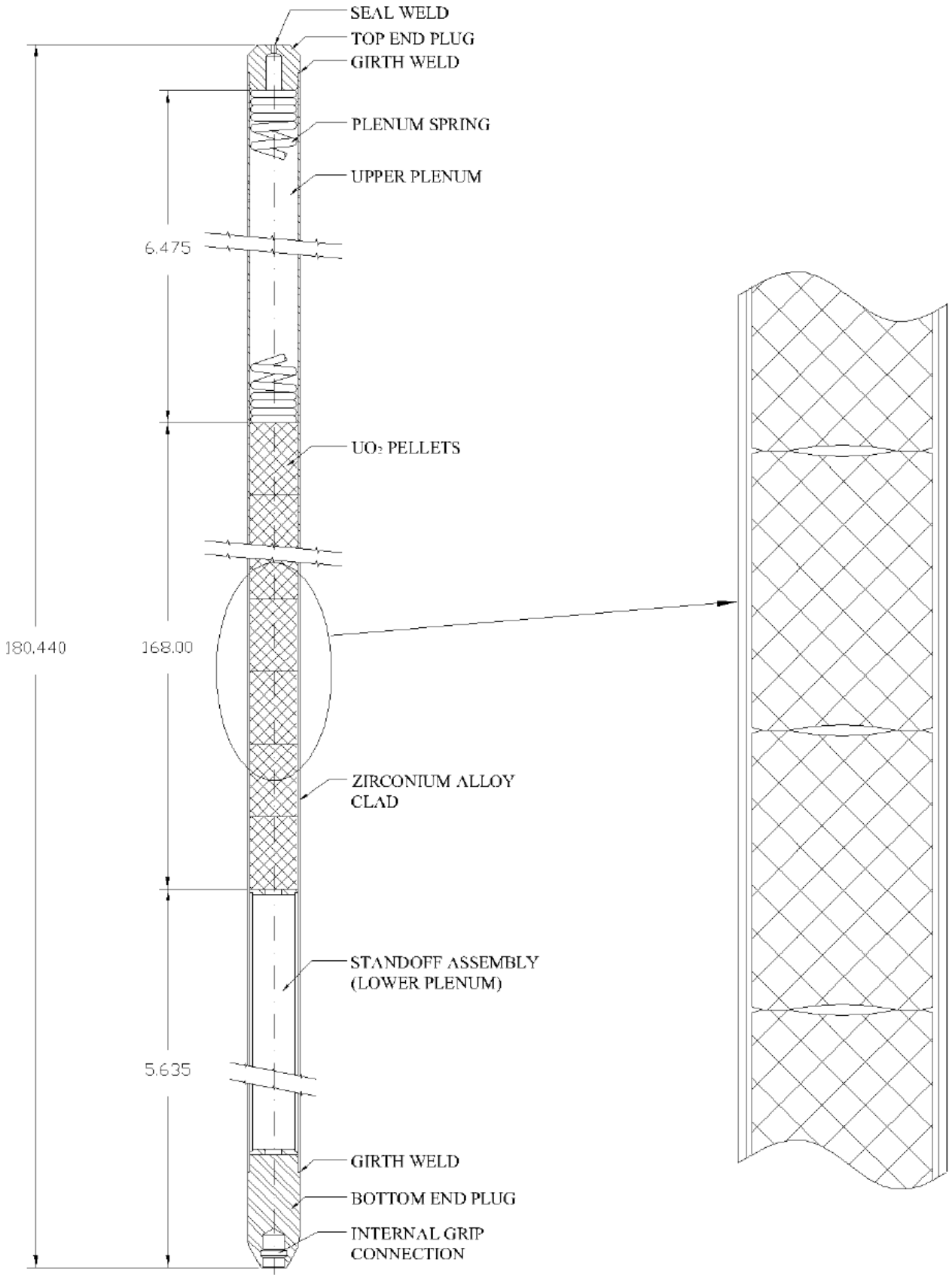


Figure 2-8 AP1000 Fuel Rod Construction

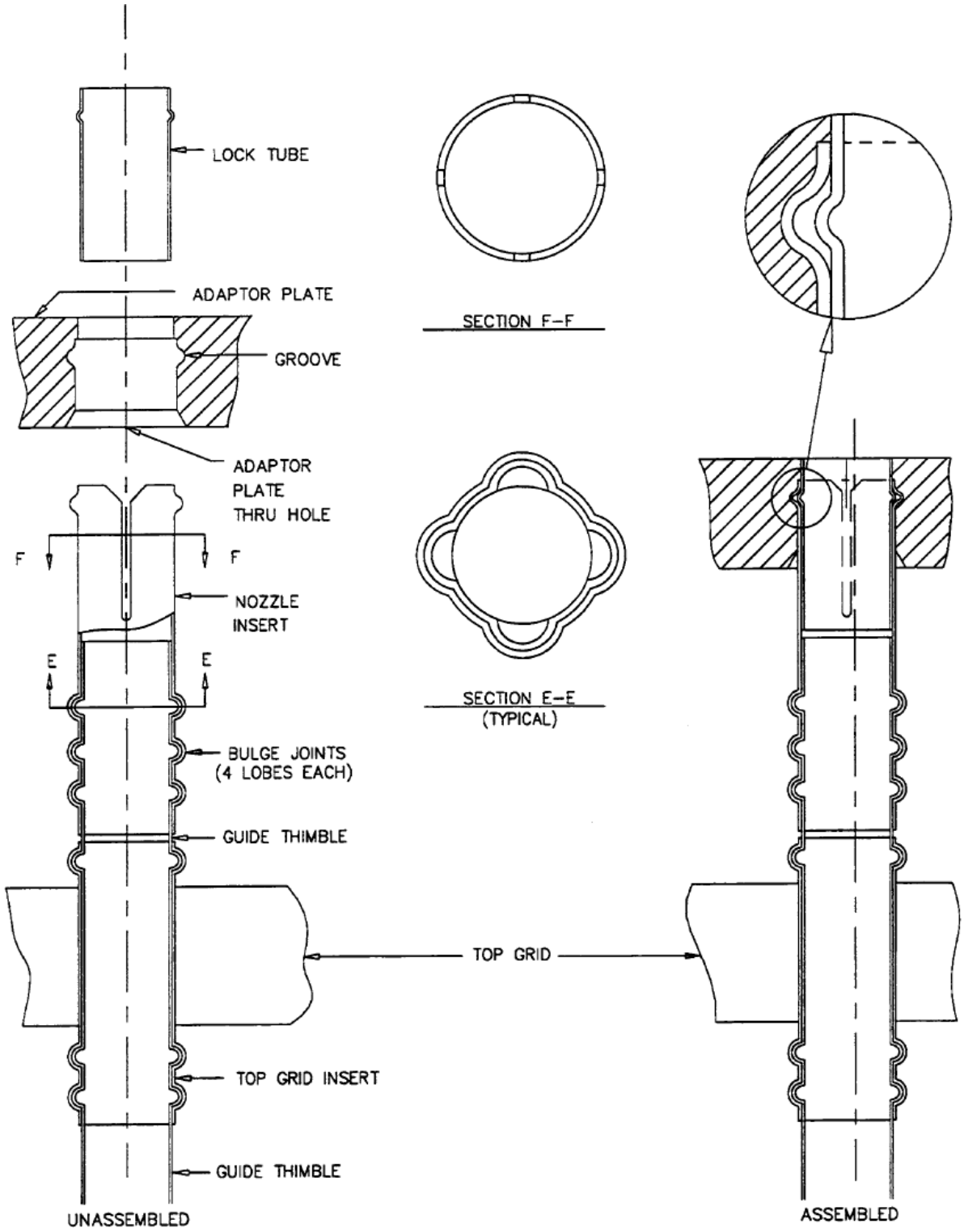


Figure 2-9 Removable Top Nozzle

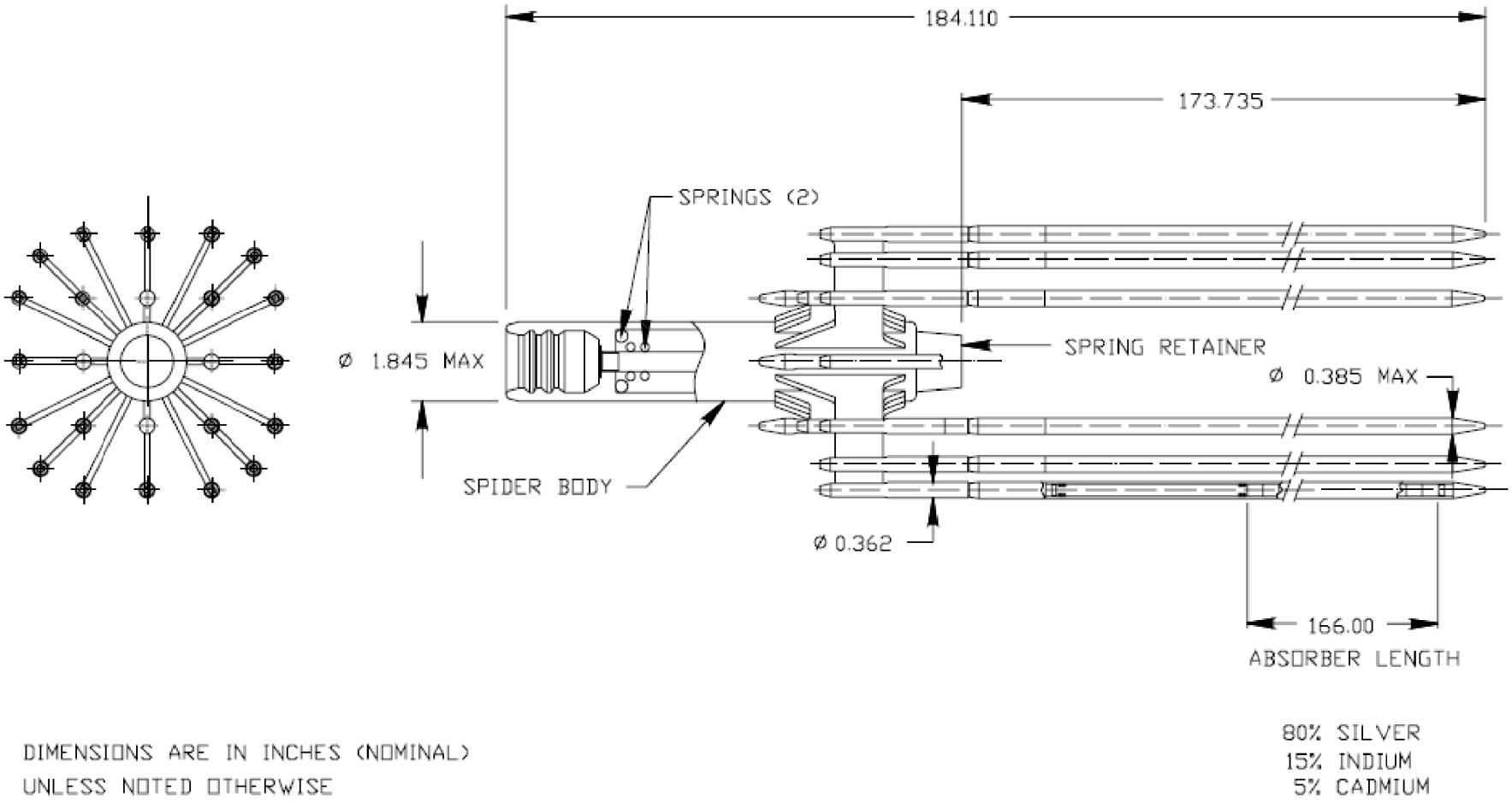


Figure 2-10 Rod Cluster Control Assembly

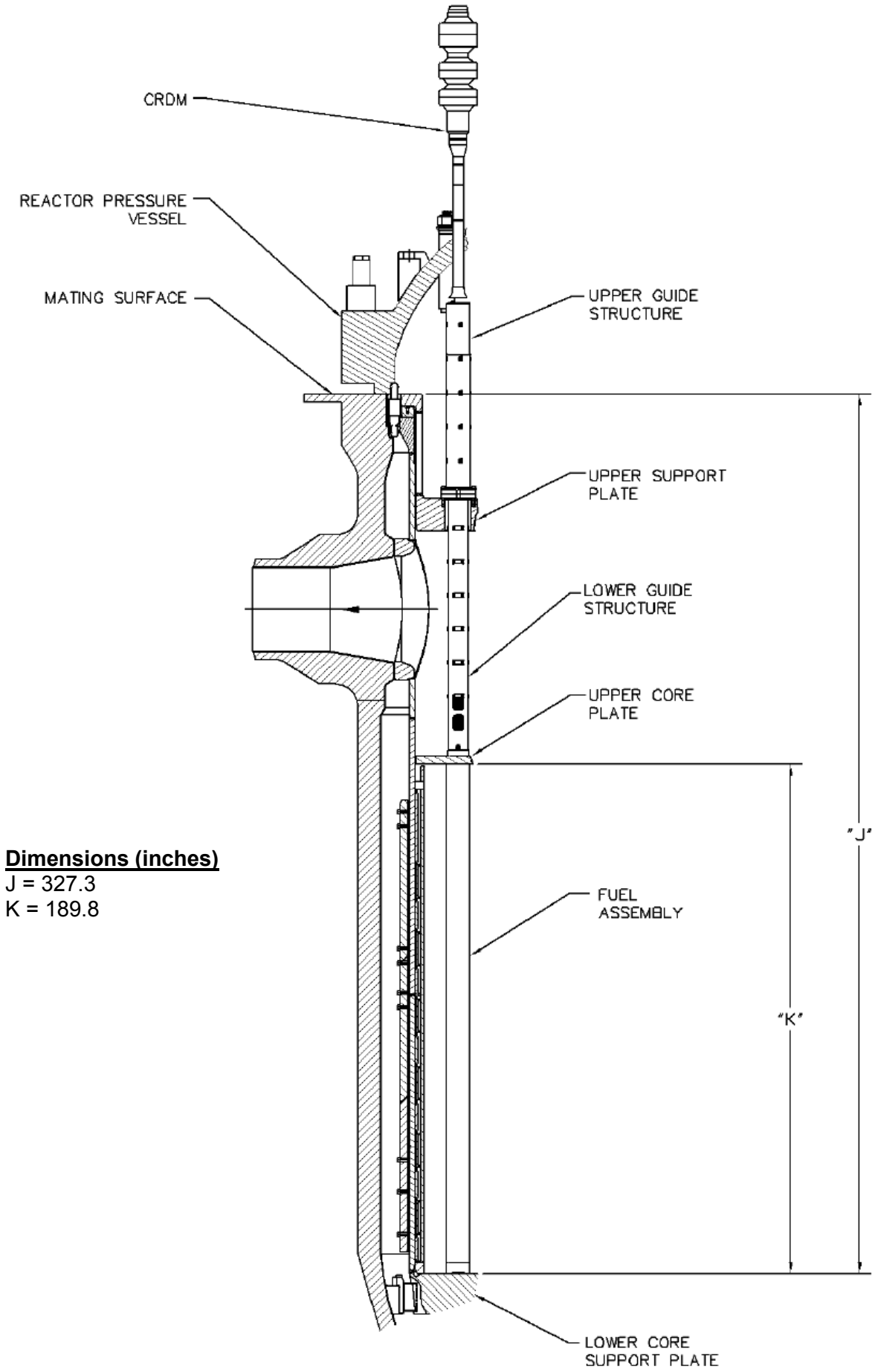


Figure 2-11 Rod Cluster Control and Drive Rod Arrangement

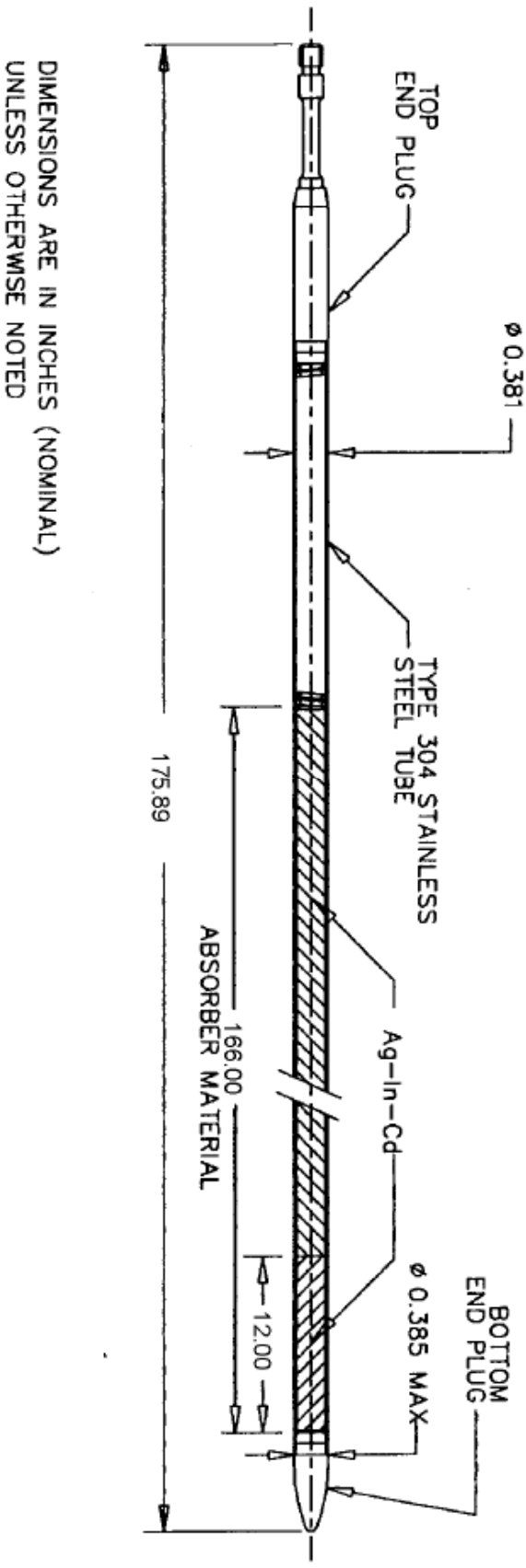


Figure 2-12 Absorber Rod from Rod Cluster Control Assembly

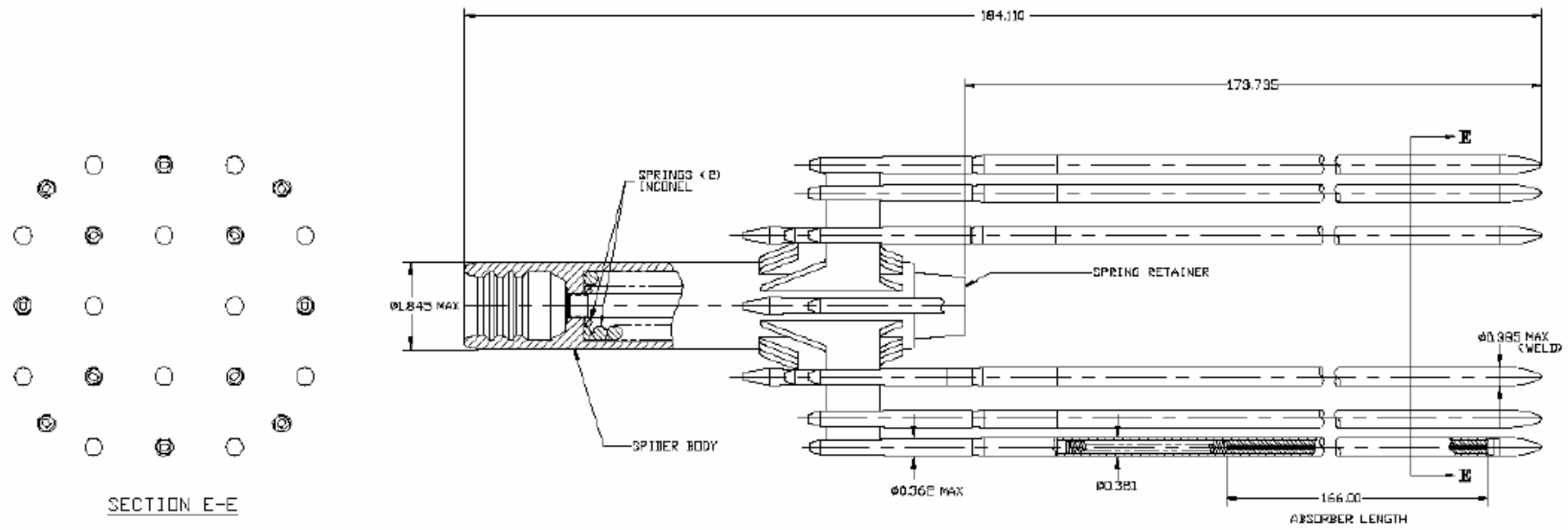
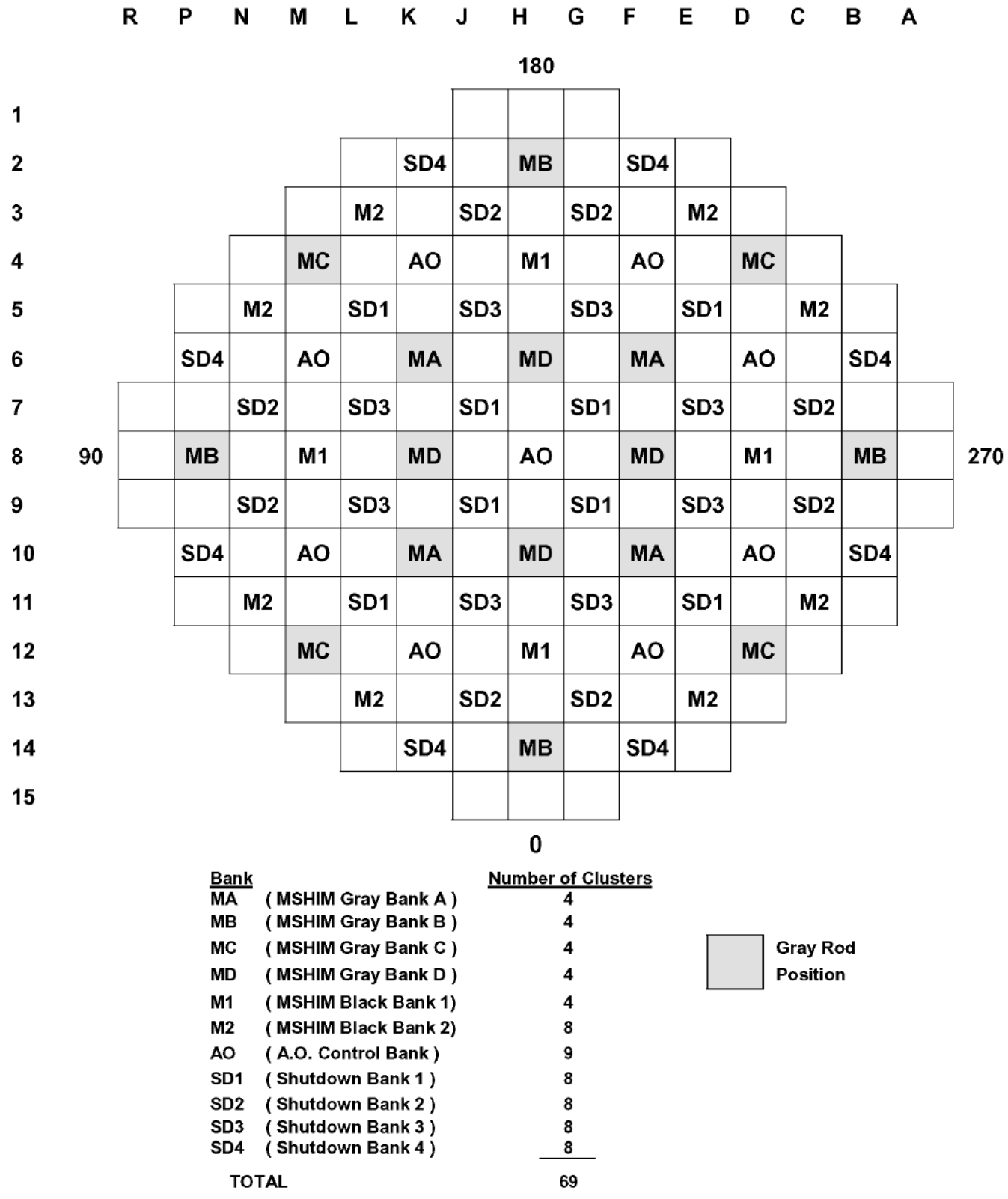


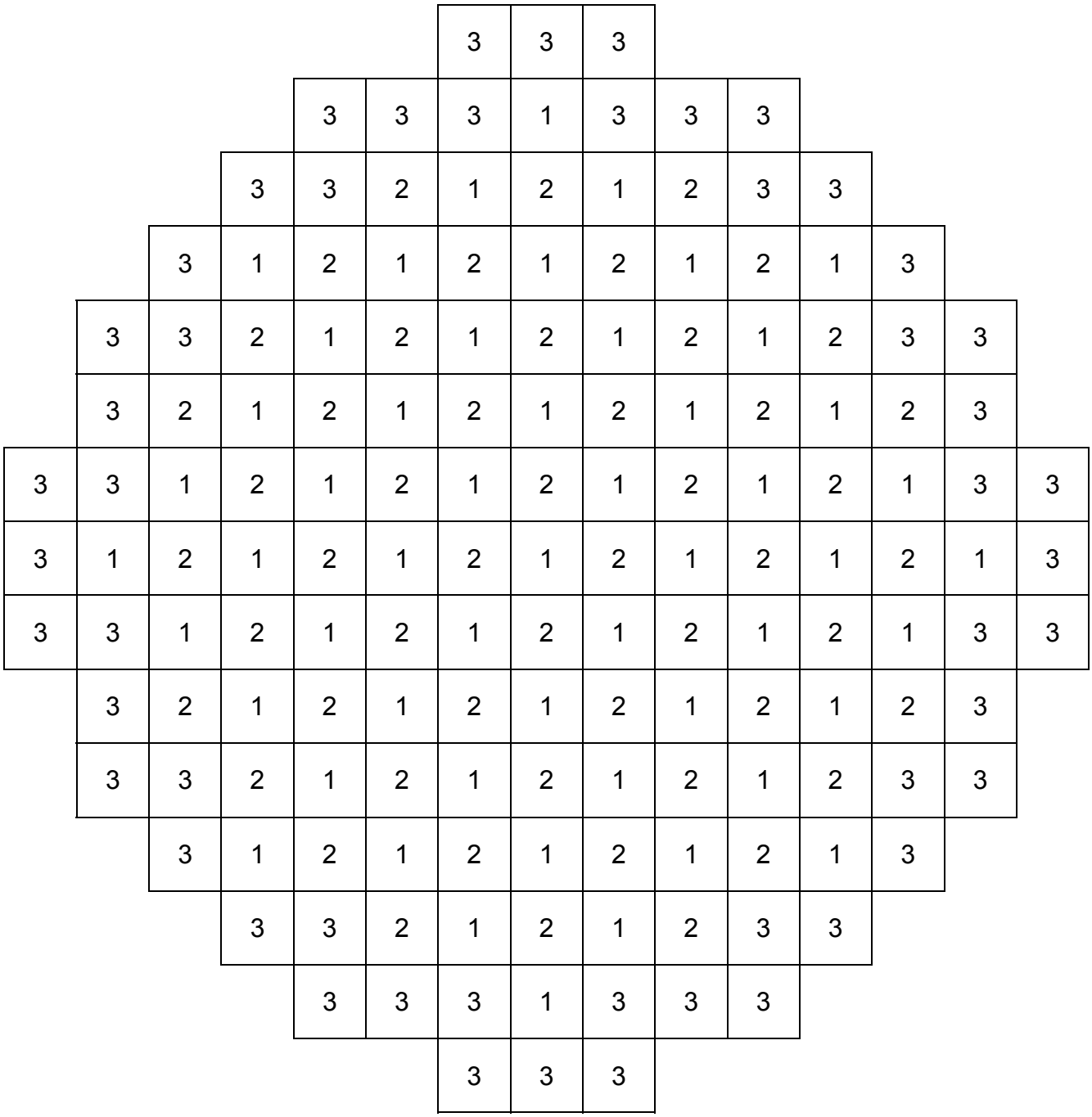
Figure 2-13 Gray Rod Assembly Construction



Bank		Number of Clusters
MA	(MSHIM Gray Bank A)	4
MB	(MSHIM Gray Bank B)	4
MC	(MSHIM Gray Bank C)	4
MD	(MSHIM Gray Bank D)	4
M1	(MSHIM Black Bank 1)	4
M2	(MSHIM Black Bank 2)	8
AO	(A.O. Control Bank)	9
SD1	(Shutdown Bank 1)	8
SD2	(Shutdown Bank 2)	8
SD3	(Shutdown Bank 3)	8
SD4	(Shutdown Bank 4)	8
TOTAL		69

Gray Rod Position

Figure 2-14 Control Rod Locations



1 = Region 1
2 = Region 2
3 = Region 3

Figure 2-15 Reactor Core Regions for First Fuel Load