

Figure 2.1 Reactivity Devices, Worths and Maximum Rates

Function	Device	Total Reactivity Worth (mk)	Maximum Reactivity Rate (mk/s)
Control	14 Zone Controllers	7	±0.14
Control	21 Adjusters	15	±0.10
Control	4 Mechanical Control Absorbers	10	±0.075(driving) -3.5 (dropping)
Control	Moderator Poison	—	-0.01 (extracting)
Safety	28 Shutoff Units	80	-50
Safety	6 Poison Injection Nozzles	>300	-50

Figure 2.2 Interstitial Positioning of Reactivity Devices

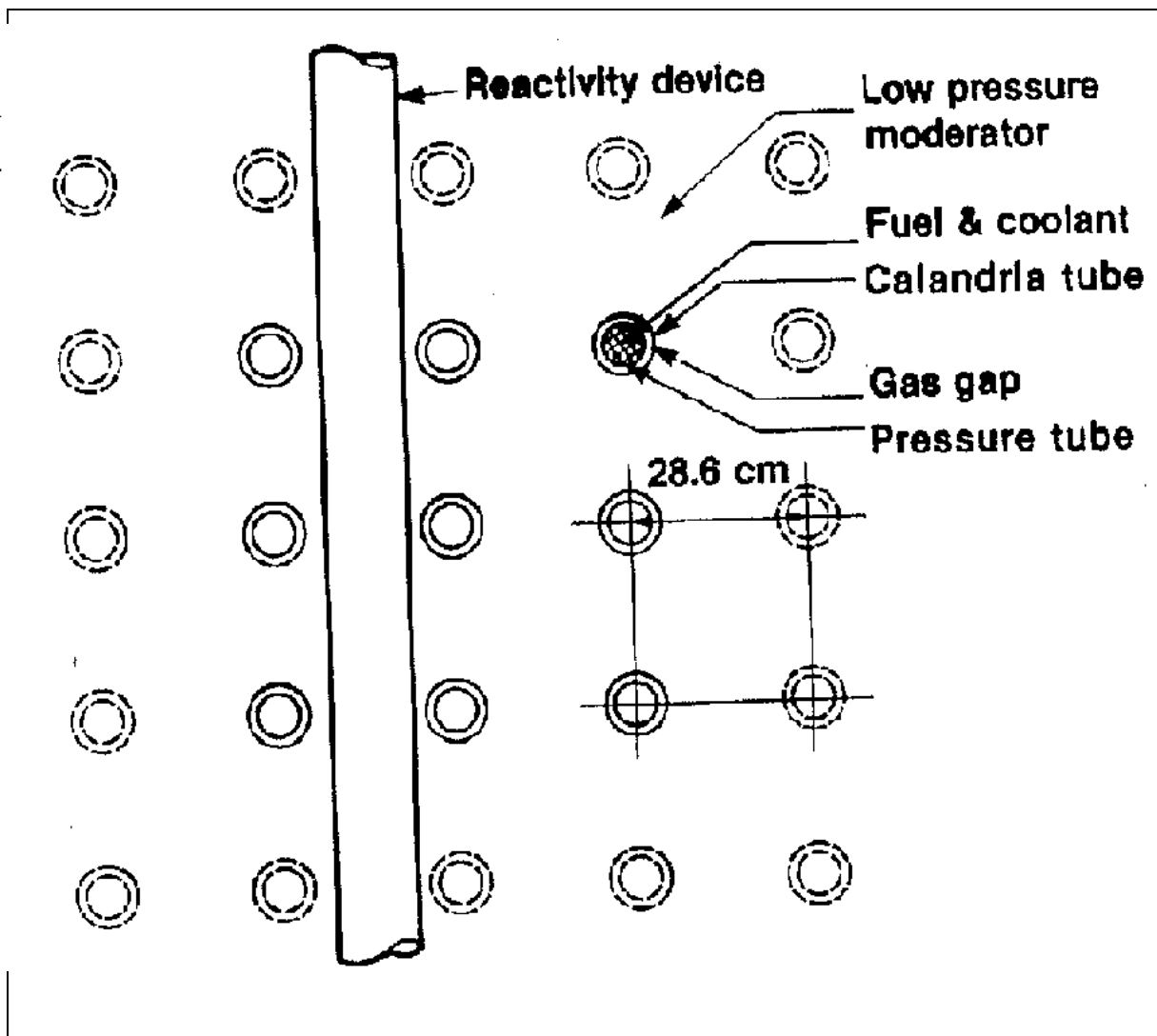


Figure 2.3 Plan View of Reactivity Device Locations

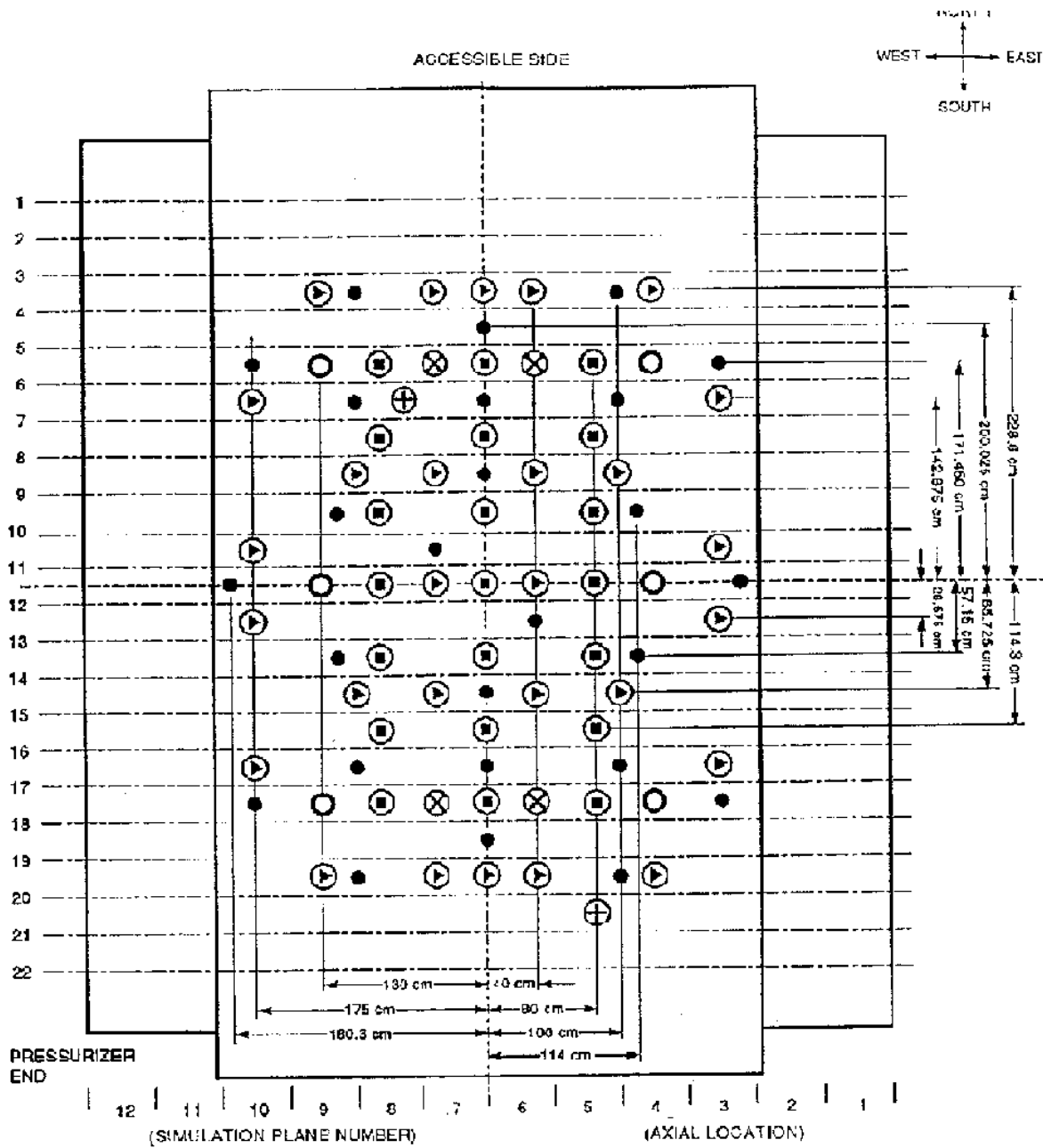


Figure 2.4 Side-Elevation View of Reactivity-Device Locations

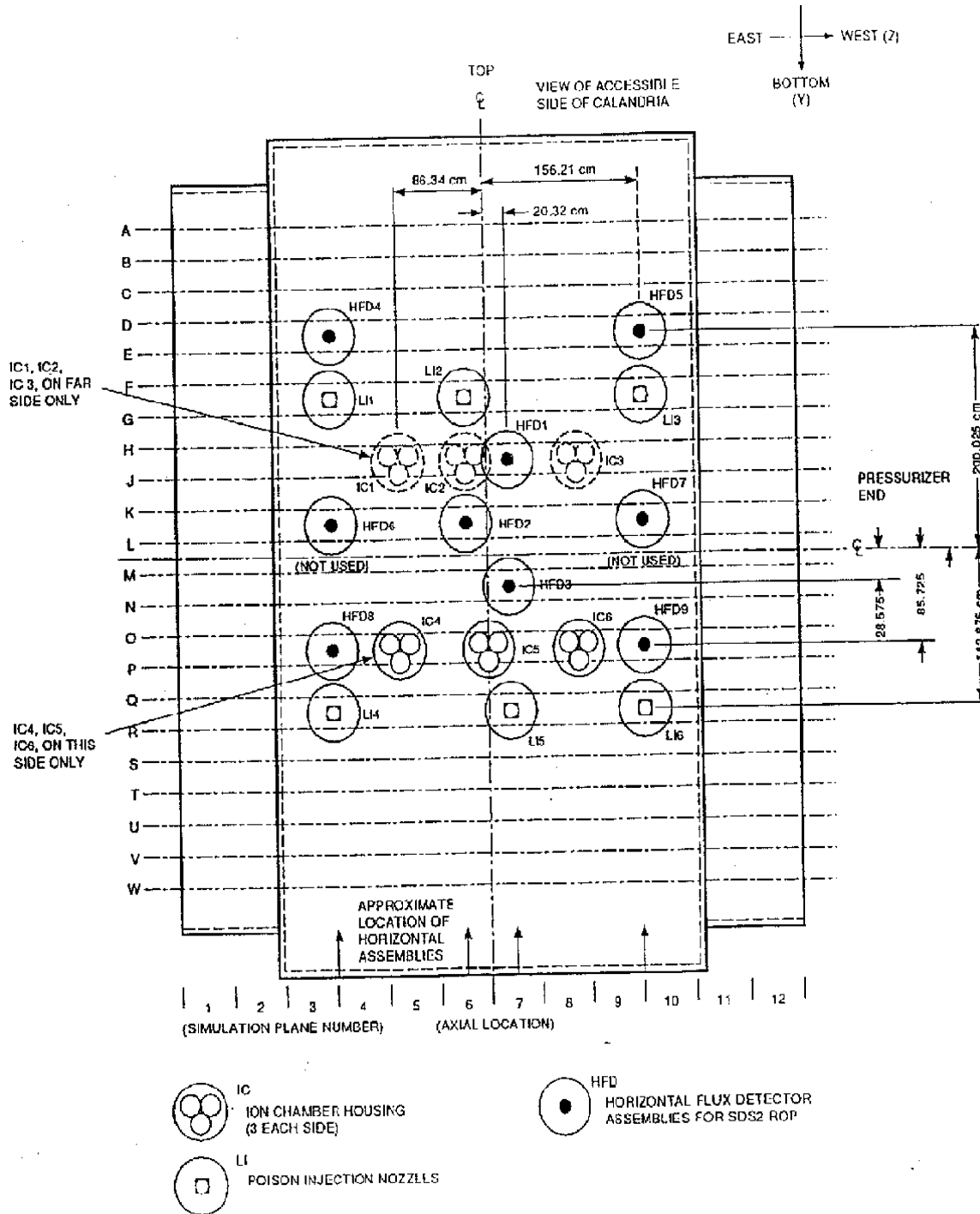
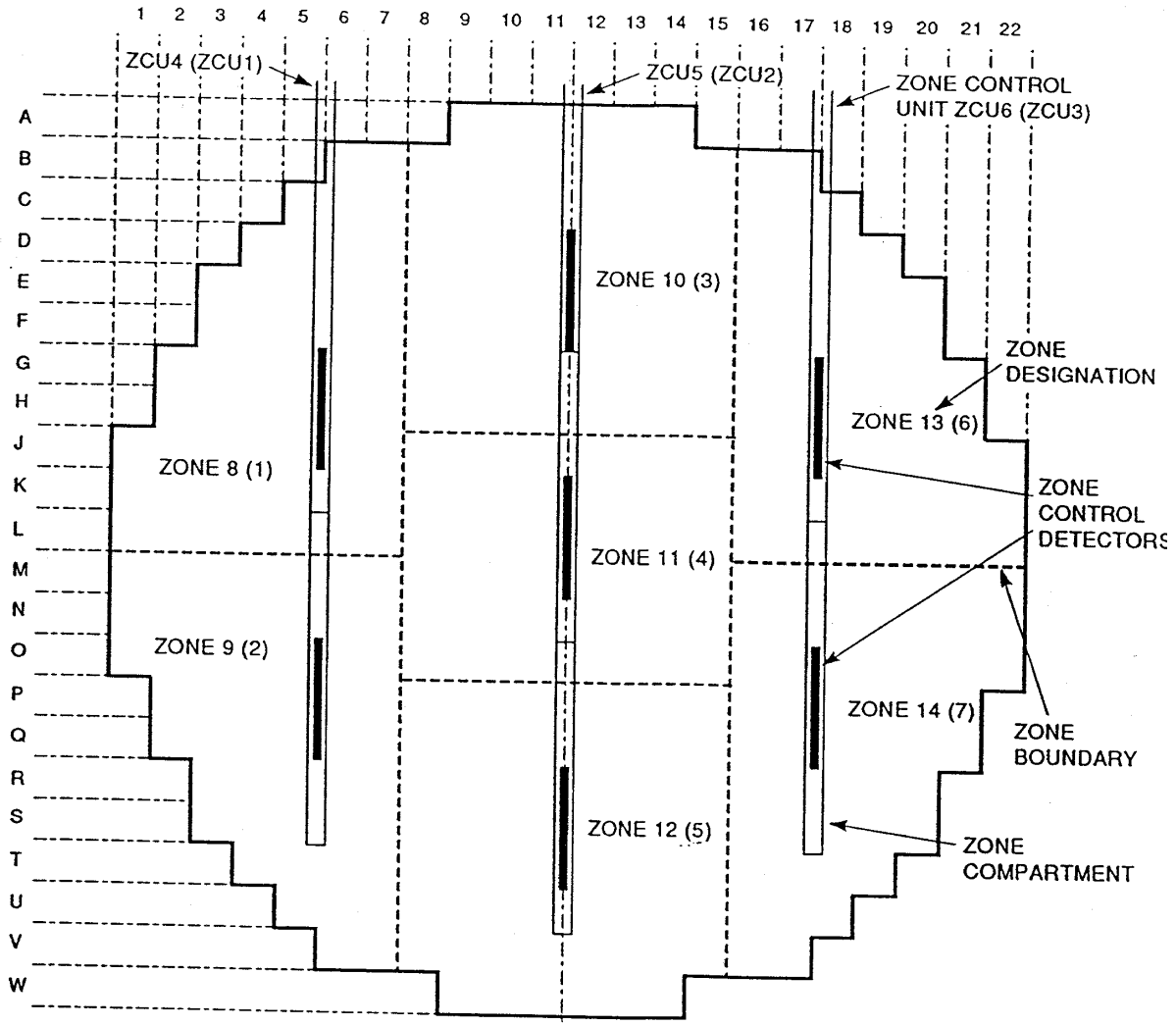


Figure 2.6 Liquid Zone-Control Compartments



NOTES:

- 1 FACE VIEW FROM PRESSURIZER END. ZONES AND ZONE CONTROLLERS AT OTHER END (AWAY FROM PRESSURIZER) ARE GIVEN IN BRACKETS.
- 2 ZONE CONTROL DETECTORS ARE 3 LATTICE PITCHES LONG AND LOCATED IN VFDA's 1, 2, 3 AND 24, 25, 26 AXIALLY OUTBOARD FROM THE ZCUs.

Figure 2.7 Shutoff-Rod Positions

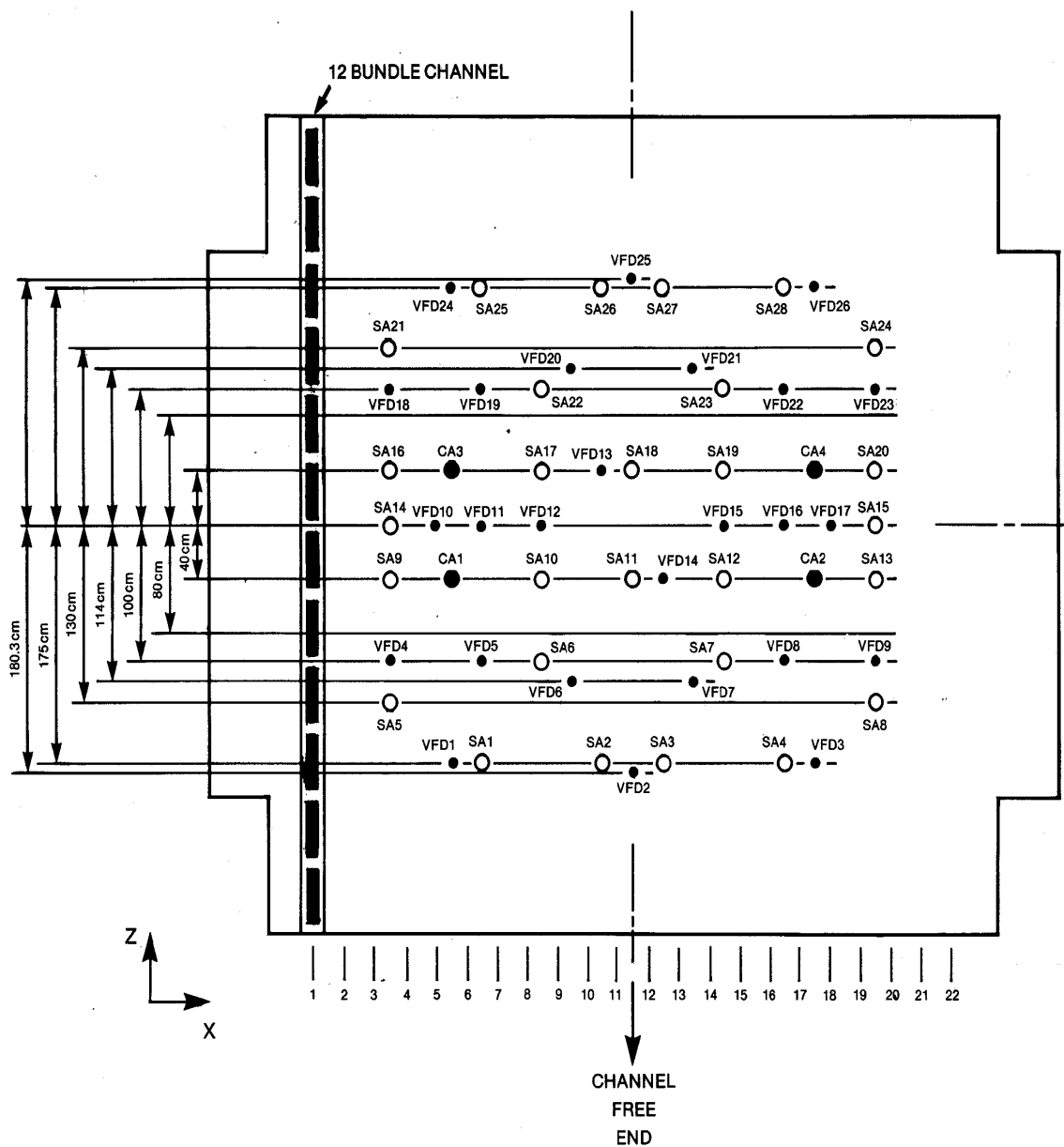


Figure 2.8 Liquid-Poison-Injection-Nozzle Positions

