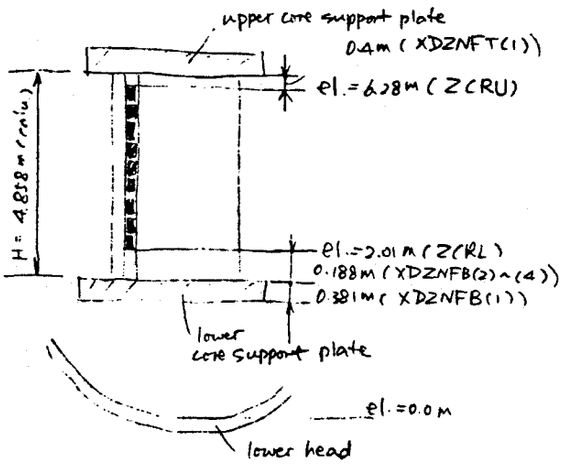
Reactor vessel.

attachment 1

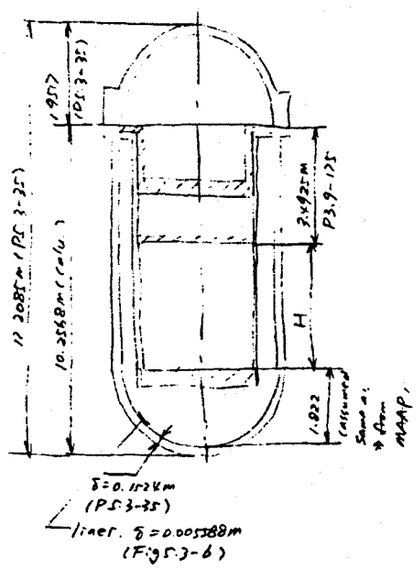
1. data from MAAP input deck



Based on the data from MAAP

$H = 0.4 + (6.28 - 2.01) + 0.188$
$= 4.858\,m$

2. data from DCD.

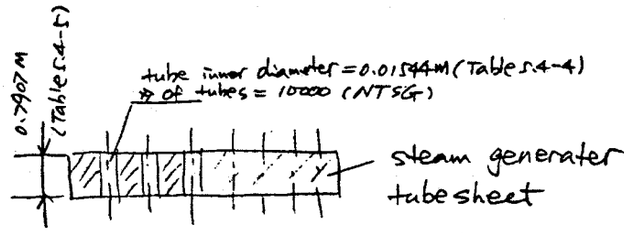


Based on the data from DCD.

$H = (12.2085 - 1.957) -$
$- (3.4925 + 1.822 + 0.1524 + 5.588\times10^{-3})$
$= 4.7843\,m$

Figure 1

attachment 2



the portion of the total steam generator tube volume that resides within the tubesheet

$$V = 2 \times 10000 \times \frac{\pi}{4} \times 0.01544^2 \times 0.7907$$
$$= 2.9609\ m^3$$

Figure 2