



Simplified cross-section of typical cell.

	Item	Description	Material	Dimensions
1	Inspection ports	Removal of concrete shield plugs to enable inspection access	Concrete	approx. 155mm diameter
2	Pneumercator lines	Used to measure liquor levels via pressure differential (several)	Stainless steel	approx. 20mm diameter
3	Process lines	Used to transfer liquor into vessel	Stainless steel	
4	Cell outer casing	The vessel and pipework are located inside a shielded cell	Reinforced concrete	1.5m thickness, approx. 10m x 8m x 10m (H, W, D)
5	Process vessel	Vessel or tank used to store, mix or react liquors/slurries	Stainless steel	approx 19mm thick
6	Neutron tube	Sealed tube to allow instrumentation be inserted in close proximity to the vessel from outside of the cell	Stainless steel	approx 70mm diameter
7	Ejector leg	Used to remove liquor from vessel via air or steam driven ejection	Stainless steel	approx 70mm diameter