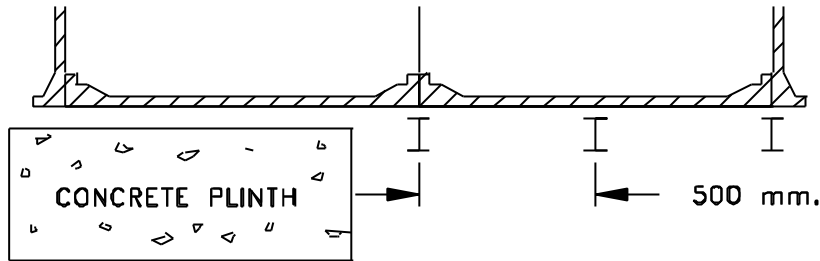




Base Details /Design Considerations (METRIC)

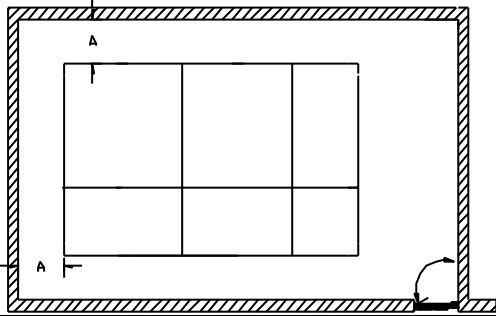
Tanks based on 1x1 & 1x.5m panels



Standard base tanks (internally flanged base panels) may be laid directly on a concrete plinth having a trowelled finish, brushed clean and free from any local protuberances. It should be flat, level and not vary more than 6 mm in any 6 m, measured laterally or diagonally with a maximum variance of 2 mm per metre. The plinth must exceed the nominal tank dimensions by a minimum of 175 mm.

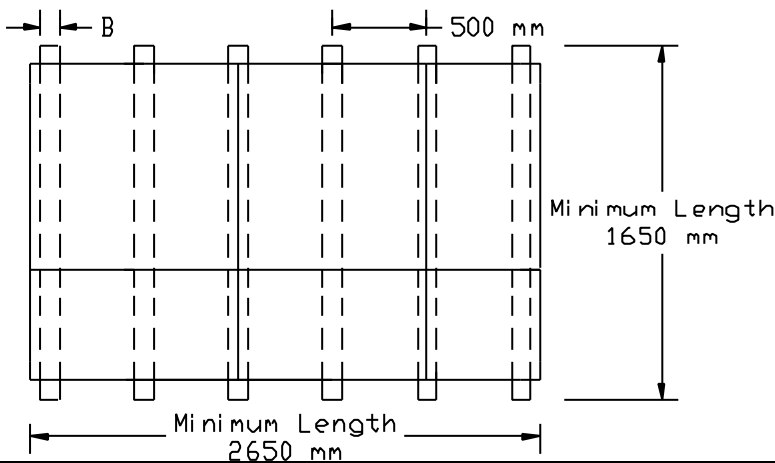
Tanks erected on elevated structures (RSJ beams or brick courses in one direction only). Bearers must be at 500mm centres. Bearer length must exceed nominal tank dimensions by a minimum of 150 mm plus any extra for fixings. All bearer walls to be flat and level. For bearer width see chart below.

Typical Tank Room (Plan)



For dimension 'A' see chart below. This clearance should be on all sides of the tank, also a top clearance of 650 mm is required for standard access hatch to open. (This can be reduced to 450 mm provided that KMG is notified prior to dispatch). If the tank has to be pushed closer to any wall after assembly or if the working space is reduced (dimension 'A') at a later stage, by the building of walls etc, responsibility will rest with others.

Example : Tank where base is 2650 x 1650 mm



General Notes:

1. Tanks should not be placed above/beside water sensitive areas, unless there is adequate bunding.
2. Client to design suitable bearers to suit load conditions. Water load = $1000 \text{ kg/M}^3 + 20\%$ for tank.
3. Bearers can run in either direction.
4. It is necessary that the top of each bearer is flat, level and level with its neighbouring bearers.
5. Deflection must not exceed $1/500^{\text{th}}$ of the unsupported span of the bearers. The unsupported span can only be in one direction.
6. Adequate overflows should be fitted to prevent the tank from being pressurised.
7. Tanks in exposed places may be susceptible to movement in high winds, especially when empty. These may need to be anchored to the base, this work is to be carried out by others.

Working Space and Bearer Width

Tank Height	Dimension 'A'	Bearer Width 'B'
mm	mm	mm
500	450	75
1000	450	100
1500	500	100
2000	600	150
2500	650	150
3000	700	150