Note:
Stairs to be designed and manufactured by specialist.
Please refer to there site specific details

Note:
The bund has been design to hold at least 110% of the volume of liquid held by the largest tank

Specification

British standard for liquid retaining structures, BS 8007.

75mm of C20 blinding concrete is to be placed directly onto formation to make up discrepencies in level prior to structure slab pour.

A polythene slip membrane to be laid on top of blinding concrete.

Reinforced slab to be built in conjuction with Structural Engineers details.
The concrete surface should be prepared ready to accept the appropiate falls and surface treatment to ensure that it drains towards the sump.

Reinforced Blockwork to BS 5628 to be built integrally with the reinforced concrete bund floor. The 'L' shaped reinforcement bars which give the blocks their tensile strength, must be set in the correct position before the foundation slab is cast.

Hollow concrete blocks to BS 6073 must not be less 215mm and net block strength not to be less than 10N/mm2. The mortar bed and jointing shall conform to BS 5628 class 1.

The hollow blocks must be infilled with GEN 2 concrete with a maximum course aggregate size of 10mm. The mix should have a high workability with a concrete slump of 150mm to 200mm.

The blocks must be laid and bonded so that the cores align vertically and that the completed works is in horizontal and vertical alignment. 'U' shaped flat metal ties(1 per core) to be used to bond the block cavities.

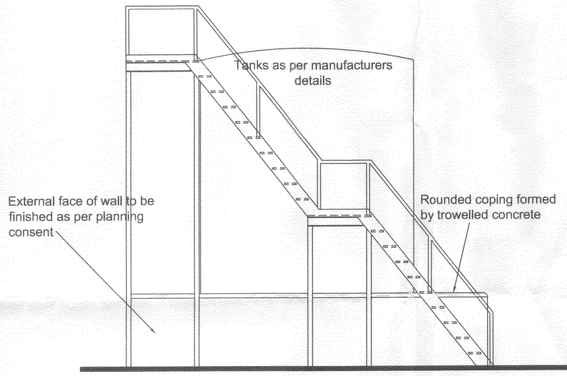
In order to facilitate the infilling of concrete the cavities must be kept clear of mortar snots.

The vertical reinforcement should be fixed prior to laying the blocks.
The horizontal reinforcement must be placed as work proceeds.

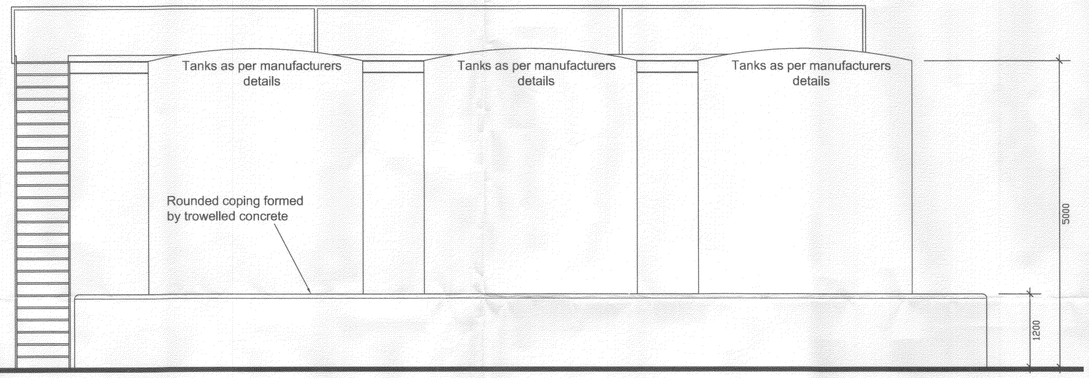
On completion of the block work, all cavities must be clear for infilling of concrete. When the mortar has sufficent time to harden, infill with concrete. The cores can be over filled as this will allow the surplus concrete to be trowelled over to form a rounded coping to the wall.

The wall must not be fully loaded until it has achieved the specified 28 day design strength.

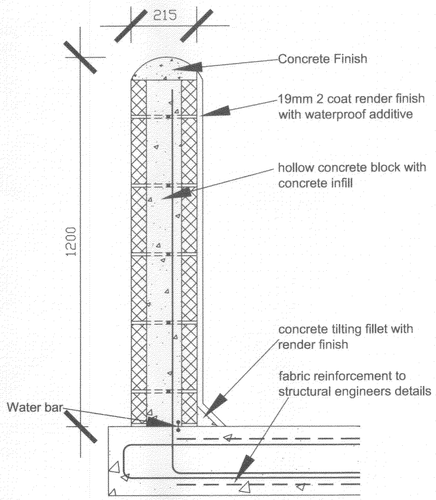
It is recommended that al internal wall surfaces are rendered with at least 19mm of sharp sand/cement 3:1 mix applied in two coats. Special attention must be given to the wall and floor slab junction. A competent specialist should ensure that the internal floor and walls are sealed in accordance with the relevent Bristish Standard.



SIDE ELEVATION

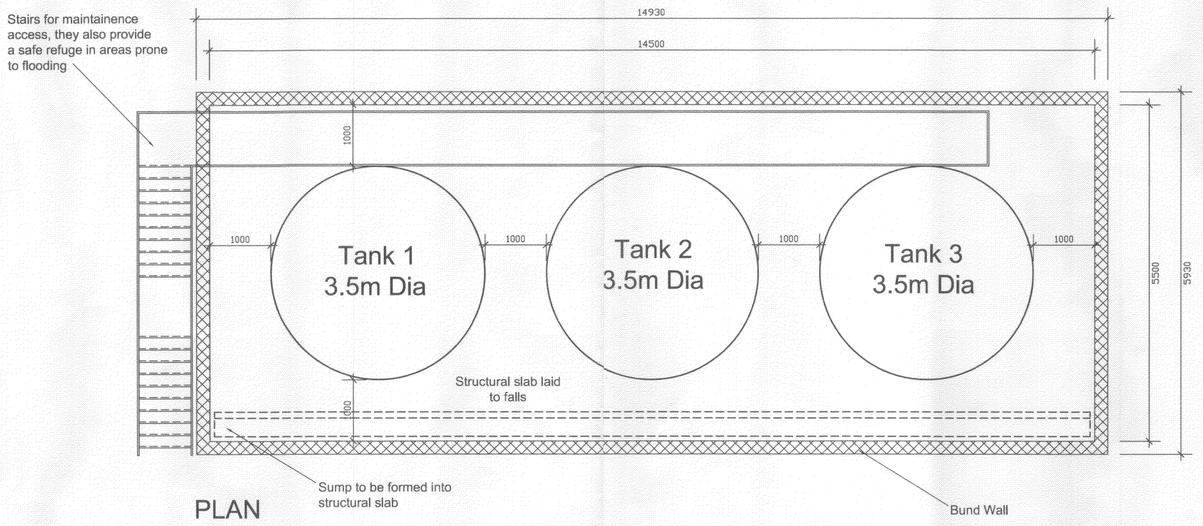


FRONT ELEVATION



Structural slab and reinforcement to be designed by a structural engineer. Slab to sit on polythene and a 75mm concrete blinding

SECTION



PLAN

Fr g
Power Limited

GreenFrog Power Ltd
Unit 4 Trillennium
Gorsey Lane
Coleshill
Birmingham.
B46 1JU

Tel: 0845 0044739

Design ○
Planning ●
Tender ○
Construction ○

Rev	Ammendment	Date

Site : Tofts lane, Hunshelf

Dwg Title : Proposed tank bunded area

Date : May 2010

Scale : 1:50 at A1

Drawn by : DMS

Drawing No : HUNS/007

Revision : -