

NOTES ON CONSTRUCTION

Site diameter to be laser levelled.

Foundation material to be compacted road base. Road base to be uniform and capable of providing a safe bearing pressure of 100 kPa.

Foundation material to be trimmed neatly to shape so that road base does not vary from specified thickness (150mm) by more than 50mm.

Concrete work to be carried out in accordance with the requirements of ASA 3600 Concrete Structures, ASA 3755 Concrete Structures for retaining liquids, Building codes B1 and B2.

Concrete to be grade S40 maximum aggregate 20mm Slump 80. Minimum cement 380kg/m³. Maximum water/cement ratio 0.45.

Cover to reinforcement:-
Inside wall surface - 50. Top floor - 40.

Mesh to be lapped minimum of two cross-wires + 50mm.

Reinforcement to be held in place by non-porous blocks or chairs from outside surfaces sufficient to maintain it in position while concrete is placed.

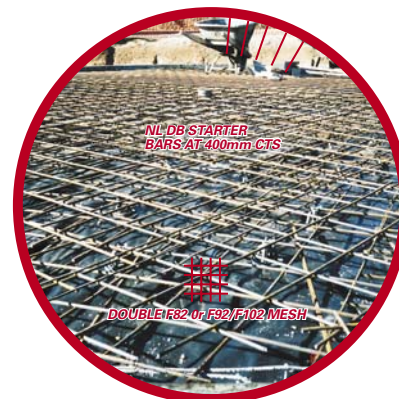
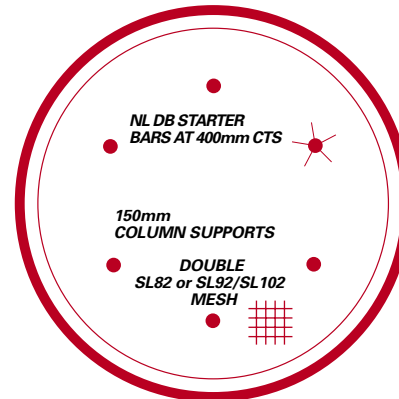
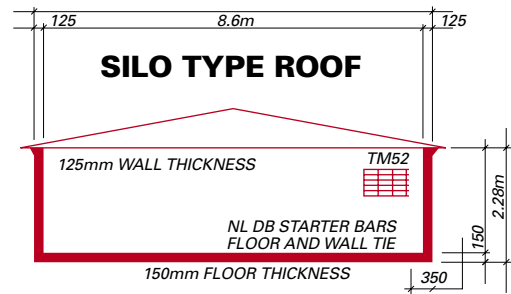
Concrete in base and walls to be placed as a continuous pour. Concrete in walls to be placed in layers around tank.

CHOOSE FROM:

**CONCRETE TOPS
SILO ROOFS OR
OPEN TOPS**

TANK PLANS CONCRETE TOP

6 COLUMN SUPPORTS – 20 TONNE LOAD BEARING WEIGHT



CONCRETE ROOF CONSTRUCTION

TERRY MILLER CONCRETE TANKS

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UNDERGROUND or ABOVE GROUND

WORKS COMPLETED INCLUDE MANY FEDERAL, STATE AND SHIRE REQUIREMENTS, AS WELL AS CONSTRUCTION COMPANIES, FARMS, FEEDLOTS, WINERIES AND DOMESTIC CONCERNS.



Tank Sizes	Diameter
22,750 litres (5,000 gals)	3.65m (13')
50,000 litres (12,000 gals)	5.90m (19'4")
107,000 litres (23,000 gals)	8.00m (27')
120,000 litres (26,000 gals)	8.6m (28'4")

- All tanks are 2.28m (7'6") in height.
- All tank walls are 125mm (5") thick.
- All foundations (tank floors) are 150mm (6") thick.
- Site to be laser levelled solid ground (no fill) with minimum 150mm compacted road base.
- All concrete is 40 mpa with plasticiser
- Concrete is vibrated which alleviates most air bubbles, all pour marks
- No cold joins
- Tanks are algae free
- Cool in the summer
- Won't burn or blow away
- No rust or fibres
- No replacing liners

SITE PREPARATION

Site to be laser levelled solid ground (no fill) with minimum 150mm compacted road base. No pour marks, no cold joins, vibrated with a 42mm vibrating needle. Concrete is 40 mpa.

CONSTRUCTION MATERIAL

CONCRETE: MIXED AT 40 MPA PLUS PLASTICISER

STEEL: WTM 52 TANK MESH
RF 82 FLOOR MESH
NL DB STARTER BARS

FITTINGS: 125mm (5") LONG BRASS FITTINGS,
CAST INTO WALL BEFORE POURING.
FLUSHING DRAIN PLUG.

**ALL FITTINGS TAILORED
TO CUSTOMER REQUIREMENTS.
AS MANY AS REQUIRED.**