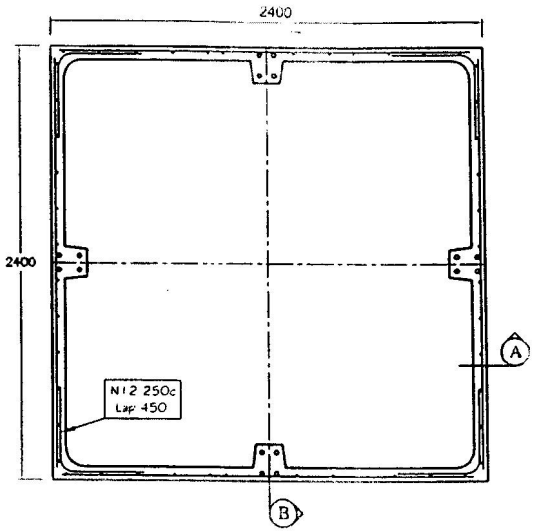
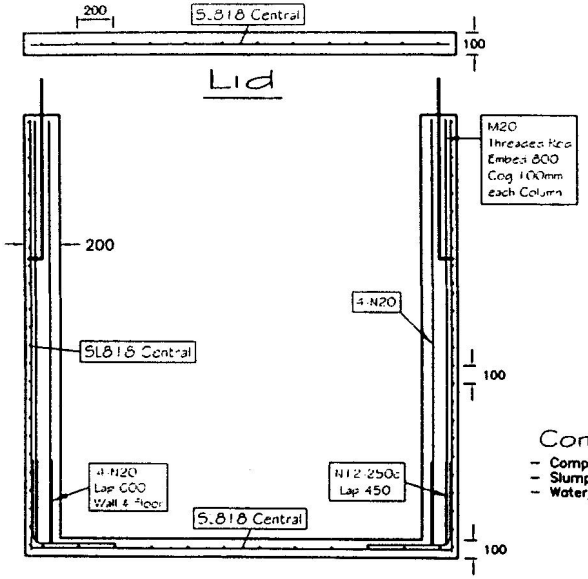


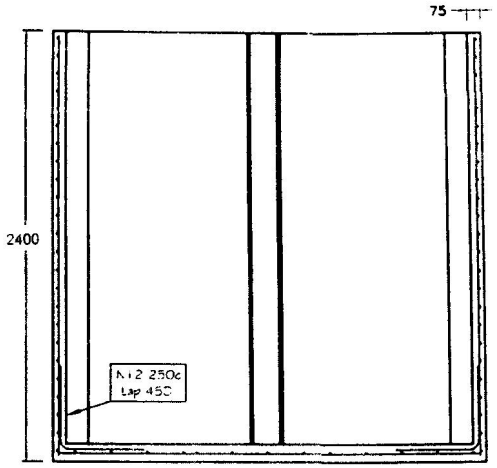
Plan



Section B

Concrete Notes

- Compressive Strength F'c=40MPa
- Slump 85±15mm
- Water/Cement Ratio 0.45



Section A

NOTES

1. All Concrete work & workmanship to be in accordance with AS3600.
2. Ready-Mix concrete shall comply with AS1379
3. Characteristic compressive strength of concrete at 28 days shall be 40MPa.
4. Fresh Concrete shall be properly compacted by mechanical vibration.
5. For tanks on ground, remove grass, topsoil, vegetative and organic matter & found on Natural Soil with 100KPa Bearing Capacity.
6. Exposure classification of B1 has been used in design, where greater than or equal to 1km from coastal environment.
7. For tanks in ground, soils are to be non-aggressive with only the presence of fresh water permitted.
8. Tanks to be backfilled with a stabilising concrete 10 sand to 1 cement mix with a slurry consistency.
9. Tanks are not designed to support lateral loading other than that applied by natural material.
10. Lids are designed to carry 5.0kpa vehicle loading along with an extra 3.5KPa applied loading
11. For tanks positioned below ground where water is present. Refer Table Below, where backfill width either side gives an option of whether the tank is topped with a concrete slab or soil, or whether some water is left in tank at all times to avoid hydrostatic uplift in accordance with Australian Standard HB230-2006 Rainwater Tank Design and Installation Handbook.

Stabilised Side Backfill	Over Top of Tank		Water in Tank
	Slab	Dirt	
100	330	610	1020
200	135	240	465
250	48	120	175

ENGINEER CERTIFICATION OF DESIGN

NOTE : This certification covers only structural components which are fully detailed and specified on this drawing.

This Drawing based on design by
David R Johnson Consulting Engineer Pty Ltd

title

11700 litre Tank

sheet		amdt.
S01	1 : 40 @ A4	