

- 1. These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such other written instructions as may be issued
- Officer for decision before proceeding with the work.
- 3. All dimensions shall be verified on site by the Contractor who shall be responsible for their
- 4. The contractor shall be responsible for maintaining the structure and neighbouring structures in a safe and stable condition during construction. No part shall be over-
- 5. All workmanship and materials shall be in accordance with the requirements of the current
- SAA Codes and the By-Laws and Ordinances of the relevant Government Authority.
- the allowable bearing pressure on this material is assumed to be 150 kPa.

Element	Slump mm	Max. Size Agg. mm	f'c MPa	Special Requirements
KERB & DRIVEWAY	80	20	32	_
DRAINAGE PIT	80	20	20	_
OSD TANK FLOOR	80	20	25	_
OSD TANK ROOF	80	20	32	-

Strength shall be verified by plant control testing. 3. Clear concrete cover to reinforcement including ties and stirrups shall as follows unless

	Exposure Classification				
Element	A1 Sheltered locations	B1 External locations over 1km from saltwater shoreline	B2 External locations within 1km of saltwater shoreline		
Strip footings	-	50	50		
Columns and piers	20	40	50		
Beams	20	40	45		
Slabs and walls	20	40	45		

- Note that slabs placed over a membrane on ground are included as A1.
- N denotes Grade 500 deformed normal ductility bar to AS 4671. R denotes Grade 250 plain round normal ductility bar to AS 4671.
- SL denotes Grade 500 low ductility square welded mesh to AS 4671. RL denotes Grade 500 low ductility rectangular welded mesh to AS 4671.
- denotes direction of main bars of rectangular fabric (main bars down for

- 6. Reinforcement is shown diagramatically and is not necessarily shown in the
- 7. Splices in the reinforcement shall be made only in the positions shown. The written approval of the Supervising Officer shall be obtained for any other splices. Where the lap
- length is not shown it shall be sufficient to develop the full strength of the reinforcement.
- made without the approval of the Supervising Officer. Sizes do not include thickness
- 13. Pipes or conduits shall not be placed within the concrete cover to reinforcement
- made in concrete members without the prior approval of the Supervising Officer.
- 17. The concrete shall be compacted using high frequency vibrators.
- 18. Columns, piers, and pedestals shall be placed 24 hours (min.) before concrete
- 19. Curing of all concrete surfaces shall commence immediately after surfaces are
- 1. All workmanship and materials shall be in accordance with AS 3700.
- 2. Two layers of approved metal based slip joint material shall be laid under all slabs.
- 3. Walls shown on structural drawings are load bearing walls. Non load bearing walls under slabs shall be separated from the concrete by a minimum of 10mm
- 4. No brickwork which is supported by the slab shall be erected until formwork
- 5. Brick mortar to be 1:1:6 proportions by volume of cement, lime and sand.
- 6. Brick strength of load bearing brickwork to be a minimum of f'uc = 14 Mpa.

1. All concrete masonry units shall conform to the requirements of AS 2733.

Element	Strength	Mortar Mix	
ciement	Grade of Units	Cement, Lime ,Sand	
TANK WALLS	15 MPa	1:0.1:3	
	(BLOCKS)		

- 3. Workmanship involved in placing concrete units shall comply with AS 3700
- and all units shall be have fully bedded face shells and cross walls. 4. Clean out holes shall be provided at the base of all reinforced cores. 5. Unless noted otherwise the cores of all concrete masonry units shall be filled
- with concrete having a characteristic strength at 28 days (f'c) of 20 MPa. and a slump of 180mm to 230mm when being placed, the concrete filling shall
- except where varied by the contract documents.
- of structural sufficiency before fabrication.
- thick, unless noted otherwise on the drawing.
- shall have a minimum 50 cover of concrete.
- 5. Steel beams and trusses with span greater than 6m shall be fabricated with an upwards precamber of 1/500 span in each span unless noted otherwise on the drawings.
- and coated with one coat of approved primed unless noted otherwise on the drawings. 7. All steelwork cast into brickwork is to be hot dipped galvanised.
- 1. Timber construction is to be in accordance with AS 1720 and the Timber Framing Code

2. Timber stress grade shall be F7 unless noted otherwise.

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