

# T12 (10 FT) TANK SLAB PLAN

#### GENERAL NOTES

- G1 This genetic drawing shall be read in conjunction with all other relevant site specific drawings and specifications.
- G2 The Contractor and/or Sub-Contractors, are responsible for verifying all datum points, levels and dimensions including setout dimensions prior to commencing either on site construction or off site fabrication. All setout and overall dimension shall be obtained from the architectural drawings. DO NOT SCALE these drawings.
- G3 All dimensions are in millimetres unless stated otherwise. All levels are expressed in metres.
- G4 During construction, the Contractor shall be responsible for maintaining the structure and all excavations in a stable condition and ensuring no part is over stressed by construction activities.
- G5 Workmanship and materials are to be in accordance with the relevant current SAA Codes, the Building Code of Australia, Occupational Health and Safety Regulations and the local statutory authorities requirements.
- Arrange for all inspections and approvals required by local authorities during construction.
- G7 Tank slab has been designed for fully laden T12 fuel tank only.

## SUBGRADE PREPARATION NOTES

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Slab subgrades should consist of stripping of grass, root zone materials. The surface fill materials and topsoil to expose the natural soil. Existing fill material could be used if it is compacted to 95% standard dry density or greater.

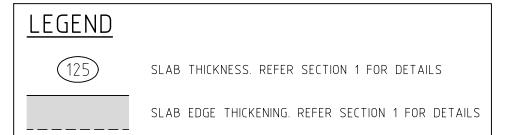
The exposed surface should be proof rolled with the aim of achieving a dry density ratio of 95% as measured by standard compaction (AS1289 5.1.1). Any soft, wet or loose materials which does not respond to compaction should be additionally excavated to expose a firm working base. Areas of fill and over-excavation should be backfilled using class 3 20-40mm crushed rock, and compacted to 95% maximum dry density as measured by standard compaction.

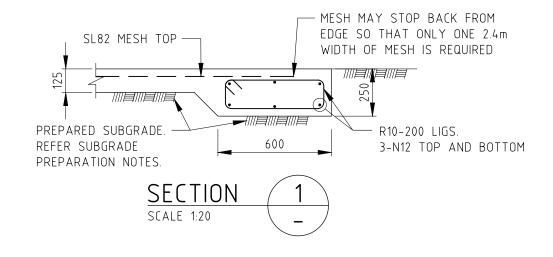
# CONCRETE NOTES

- C1 All workmanship and materials shall be in accordance with AS 3600 & AS 1379.
- Cover (millimetres) to all reinforcement = 50mm minimum.
- C3 Reinforcement is represented diagrammatically and not necessarily shown in true projection. Reinforcement is denoted by a symbol in accordance with AS 1302 for Bars and AS 1304 for Fabric.
- C4 Splices in reinforcement shall be: Lap length for N12 = 400, N16 = 600 and N20 = 900Laps to fabric shall be two transverse wires plus 100mm.
- C5 All reinforcement shall be supported in its correct position during concreting using plastic bar chairs, spacers or support bars.
- Formwork shall be designed and constructed in accordance with AS3610. Formwork shall remain in position for a minimum of 28 days after pouring of concrete.
- C7 Concrete grades shall be F'c = 32MPa (for sites within 1km of coastline, concrete grade to be F'c = 40MPa).
- All concrete shall be mechanically vibrated.
- All reinforcing steel shall be in accordance with AS4671.
- Concrete must be cured by an approved method for seven days after pouring and curing must commence within 2 hours of placement.

## SLAB ON GROUND AND FOOTINGS NOTES

- F1. Slabs to be founded on uniform natural ground with 100kPa
- F2. Before any concrete is poured the safe bearing capacity shall be verified by a GEOTECHNICAL ENGINEER at the contractors
- F3. Slabs shall not be constructed on sites with cross fall of more than 1:100
- Slabs shall not be constructed on sites with uncompacted fill or aggressive soils.







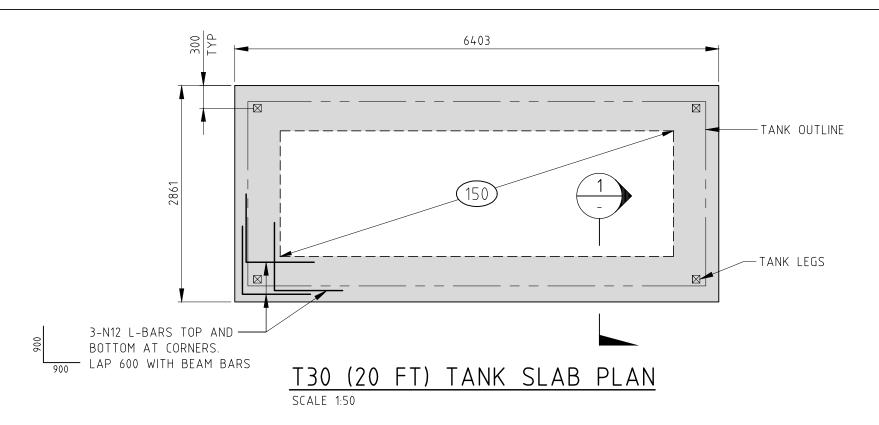
T12 (10 FT) FUEL TANK SLAB

W6886 S100 Rev.1



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- Arrange for all inspections and approvals required by local authorities during construction.
- G7 Tank slab has been designed for fully laden T30 fuel tank only.

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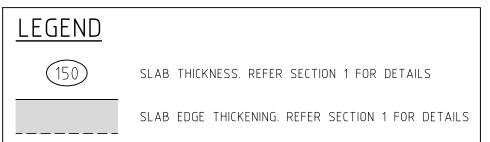
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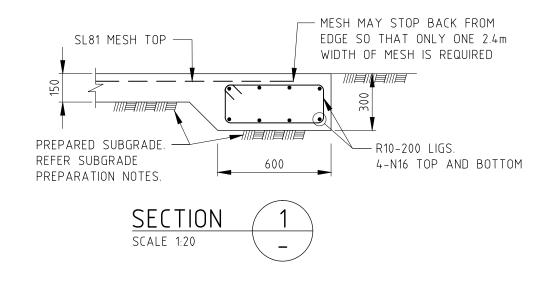
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T30 (20 FT) FUEL TANK SLAB

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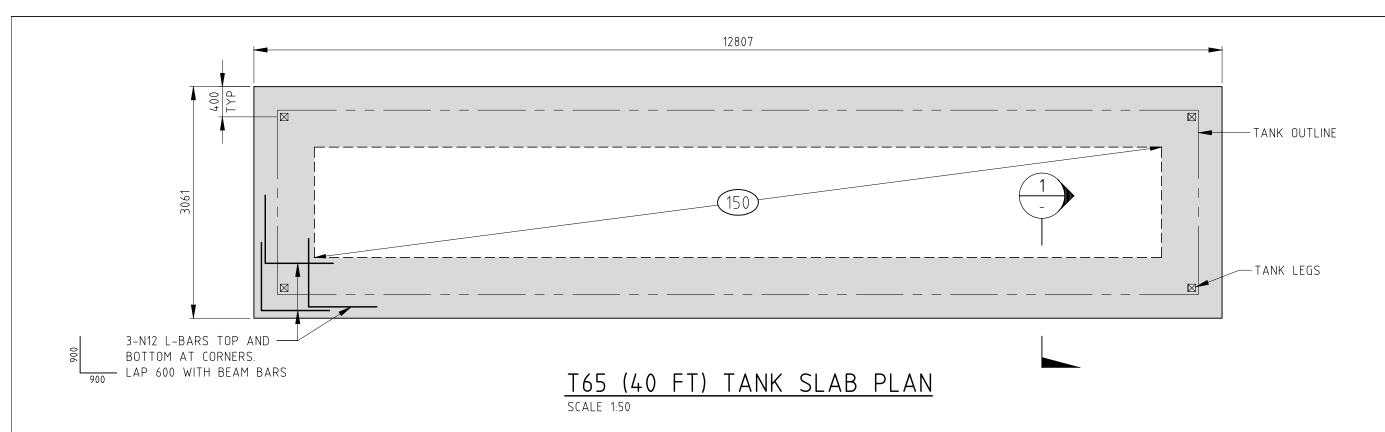
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**CONSULTING ENGINEERS** 



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- Arrange for all inspections and approvals required by local authorities during construction.
- G7 Tank slab has been designed for fully laden T65 fuel tank only.

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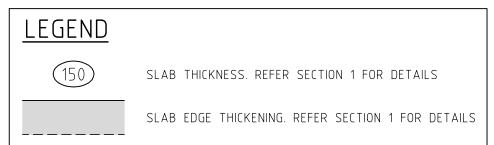
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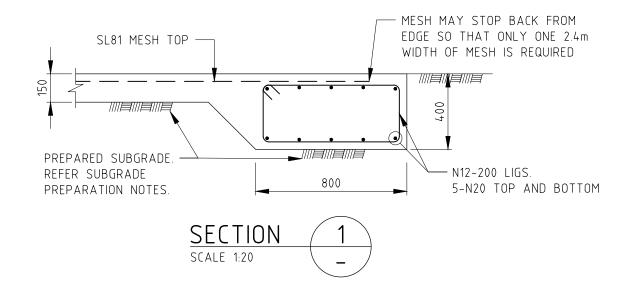
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- All concrete shall be mechanically vibrated.
- C9 All reinforcing steel shall be in accordance with AS4671.
- C10 Concrete must be cured by an approved method for seven days after pouring and curing must commence within 2 hours of placement.

#### SLAB ON GROUND AND FOOTINGS NOTES

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- F2. Before any concrete is poured the safe bearing capacity shall be verified by a GEOTECHNICAL ENGINEER at the contractors
- F3. Slabs shall not be constructed on sites with cross fall of more than 1.100
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T65 (40 FT) FUEL TANK SLAB

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