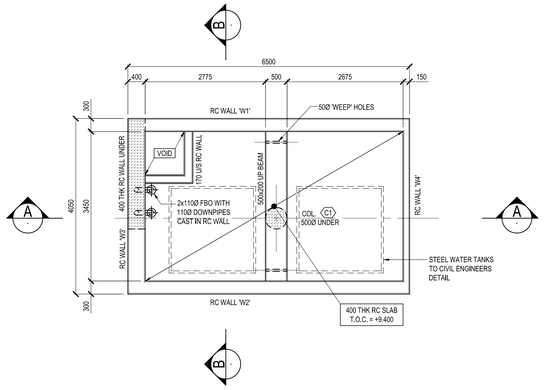
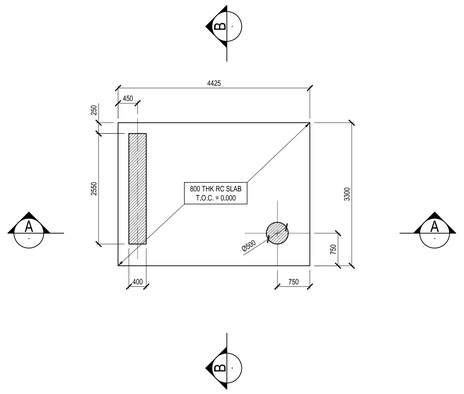


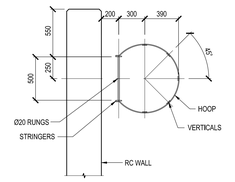
PLAN - TANK LAYOUT

SCALE 1:50



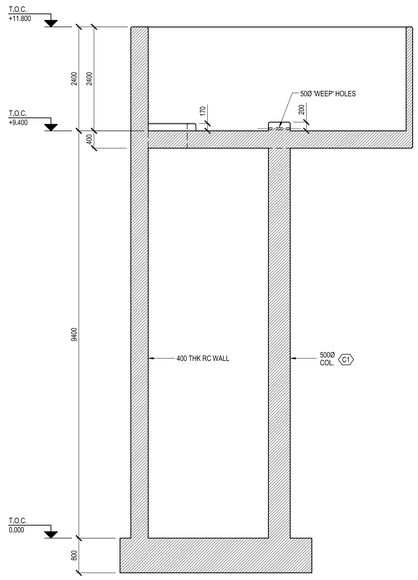
PLAN - FOUNDATION LAYOUT

SCALE 1:50



PLAN - CATLADDER LAYOUT

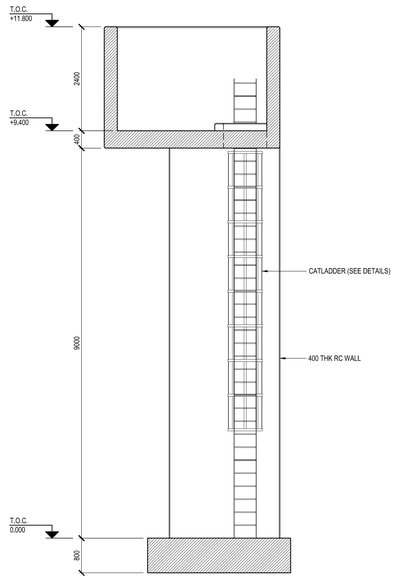
SCALE 1:25



SECTION A

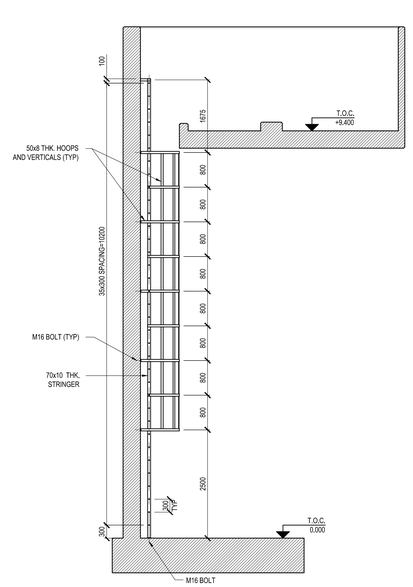
SCALE 1:50

CATLADDER NOT SHOWN



SECTION B

SCALE 1:50



SECTIONAL ELEVATION - CATLADDER LAYOUT

SCALE 1:50

NOTES

GENERAL

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST'S DRAWINGS WITH THE RELEVANT SPECIFICATIONS.
2. DESIGN MATERIALS USED AND METHOD OF CONSTRUCTION TO BE IN ACCORDANCE WITH: SANS 0100, 0137, 0160 - 0164 AS APPLICABLE.
3. THIS DRAWING NOT TO BE SCALED.
4. ALL EXPOSED CORNERS TO BE CHAMFERED 25mm x 25mm.
5. ALL LEVELS AND DIMENSIONS MUST BE CHECKED ON SITE BEFORE CONSTRUCTION COMMENSES. ANY DISCREPANCIES MUST BE REPORTED TO THE SITE ENGINEER.

REINFORCED CONCRETE

1. THE APPLICABLE STANDARD SPECIFICATION IS SANS 1200 G - 1982 WHICH SHOULD BE READ IN CONJUNCTION WITH THE VARIATIONS AND ADDITIONS CONTAINED IN THE THEMBA PROJECT SPECIFICATION FOR CONCRETE (STRUCTURAL).
2. CONCRETE COVER TO REINFORCEMENT AND CONCRETE STRENGTH TO BE AS INDICATED BELOW. COVER IS GIVEN TO THE NEAREST FACE. MINIMUM BAR COVER TO BE MAXIMUM OF BAR DIAMETER AND AS SHOWN BELOW. SPECIFIED COVER TO BE MAINTAINED USING CEMENT MORTAR COVER BLOCKS OR APPROVED PLASTIC SPACERS

ELEMENT	CONCRETE STRENGTH AT 28 DAYS (MPa)	COVER mm
FOUNDATIONS	30	40
COLUMNS	30	30
BEAMS	25	25
SLABS	25	25
WALLS	25	40

3. ALL AGGREGATE TO BE 19mm UNLESS OTHERWISE SPECIFIED.
4. CONCRETE DESIGN MIXES TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
5. CUBE TESTS TO BE CARRIED OUT ON SITE AND LOGGED WITH POSITION AND DATE. CUBES TO BE TAKEN FOR EACH TYPE OF ELEMENT, AT LEAST ONE SET DAILY AND AT LEAST ONE SET EVERY 50m³.
6. REINFORCEMENT TO BE IN ACCORDANCE WITH SANS 920 AND SHALL BE BENT IN ACCORDANCE WITH SANS 82
7. ALL CAST IN ITEMS SHALL BE FREE OF OIL, GREASE, DIRT OR ANY OTHER MATERIAL WHICH MAY IMPAIR THE BOND WITH THE CONCRETE. CONTRACTOR TO REFER TO ARCHITECT/SPECIALIST DRAWINGS FOR DETAILS/POSITIONS OF OPENINGS, SLEEVES, CONDUITING, ETC. FOR STORMWATER, SEWERAGE AND OTHER SERVICES.
8. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE GROUND BEARING CAPACITY OF 400 kPa.
9. ALL FOUNDATION EXCAVATIONS TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETING.
10. REMOVAL OF FORMWORK TO BE IN ACCORDANCE WITH THE PROJECT SPECIFICATION. IT IS THE CONTRACTORS RESPONSIBILITY FOR BACK-PROPPING ON MULTI-STOREY SLAB CONSTRUCTION

SURFACE BEDS:

1. ATTENTION IS DRAWN TO THE USE OF LAPPED, TAPED SLIP-MEMBRANE AND THE CONTRACTORS RESPONSIBILITY TO ENSURE ADEQUATE CURING OF THE TOP SURFACE. MESH TO BE LAPPED 400mm. CONTRACTOR TO ENSURE CORRECT TIMING OF SAW CUTS TO AVOID RANDOM CRACKING AND RAVELLING OF JOINT EDGES.
2. MESH TO BE POSITIONED AS SHOWN BY THE USE OF STOOLS OR THE APPROVED METHODS

ELEMENTS HAVE BEEN DESIGNED FOR THE FOLLOWING NOMINAL IMPOSED LOAD:	
GROUND FLOOR SLAB	2.5 kN/m²
MEZZANINE SLAB	2.5 kN/m²
ROOF	2.5 kN/m²

DATUM
DATUM 0,000 IS EQUIVALENT TO +1398,005

REFERANCE DRAWINGS

NO	DATE	DETAILS	CHK	APPD
B	04/06/15	ISSUED FOR TENDER PURPOSES	WB	WR
A	05/11/14	ISSUED FOR APPROVAL	WB	WR

REVISIONS

themba
Confidence Trust
INFRASTRUCTURE CONSULTING
Tel: 0861themba (843622)
email: info@themba-africa.com

CLIENT: IDT

PROJECT: TAUNG SKULL HERRITAGE SITE THOMENG

DRAWING DESCRIPTION: WATER TOWER LAYOUT AND DETAILS

SCALE	DRAWN	CHECKED	DESIGNED
1:50	WB	WR	WR
APPROVED		DATE	13/05/15

PROJECT NO / DRG. NO / REV: 13215 / S / P601 / B

STATUS