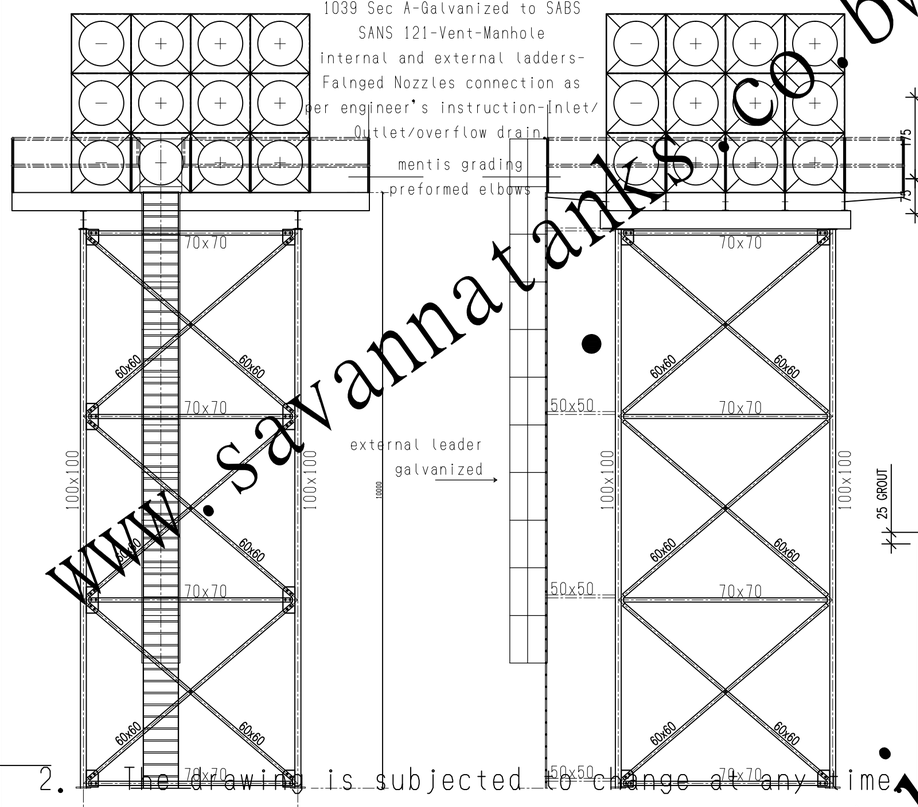
1. This drawing is a proposed drawing for discussion only

contact www.savannatanks.co.bw

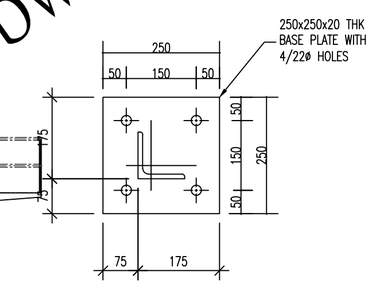
for proper drawings with engineer certification

50Kl Gs Panel Tank as per SABS 1039 Sec A-Galvanized to SABS SANS 121-Vent-Manhole internal and external ladders-Falnged Nozzles connection as per engineer's instruction-Inlet/Outlet/overflow drain

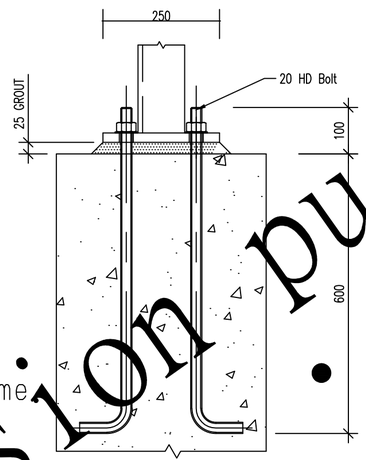


ELEVATION A
scale 1:100

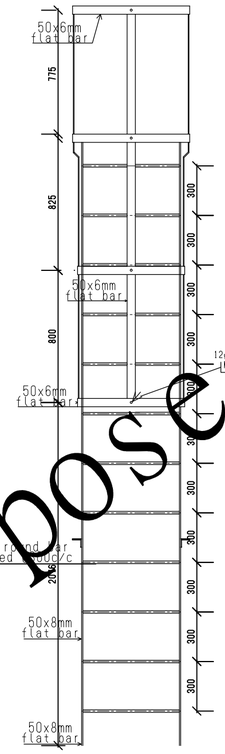
ELEVATION B
scale 1:100



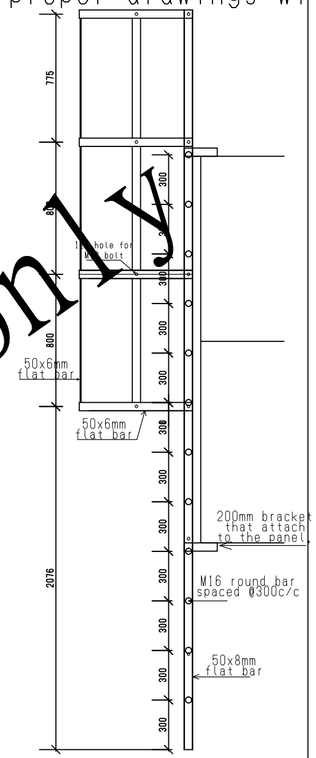
BASE PLATE DETAILS
Scale 1:10



BOLT DETAILS
Scale 1:10



STEP LADDER
FRONT ELEVATION



STEP LADDER
SIDE ELEVATION

CONCRETE GRADES

THE FOLLOWING CONCRETE GRADES ARE TO BE ADOPTED FOR CONSTRUCTION.

1/ ALL MASS CONCRETE FILL AND BLINDING LAYERS — GRADE 15MPa.

2/ ALL FOUNDATION SLABS
3/ ALL DWARF WALLS — GRADE 30MPa.

GENERAL SPECIFICATION

NOTES ON FOUNDATION CONSTRUCTION

1/TOPSIDE OF RAFT TO BE 50MM ABOVE FINISHED GROUND LEVEL TO ALLOW FOR DRAINAGE.

2/ SOIL UNDER RAFT TO BE CAPABLE OF SUSTAINING A MIN. ALLOWABLE BEARING PRESSURE OF 100kPa WITHOUT FAILURE OR EXCESSIVE SETTLEMENT.

3/MAKE UP ANY OVER EXCAVATED AREAS TO UNDERSIDE OF RAFT FOUNDATION AND ASSOCIATED STRUCTURE WITH CEMENT STABALISED (5% BY WIEGHT) SELECTED INERT NON-EXPANSIVE MATERIAL, COMPACTED IN LAYERS NOT EXCEEDING 150mm.

4/ONLY OR 1/500 DEFLECTION ALLOWED

REINFORCED CONCRETE WORK

1/ALL UPSTAND BEAMS 200 WIDE

2/ALL EXPOSED CONCRETE TO HAVE SMOOTH OFF SHUTTER FINISH U.N.O.

3/ALL EXTERNAL CORNERS TO HAVE 30mm CHAMFERED FINISH.

4/ALL CONCRETE TO BE GRADE 30MPa.

NOTES ON REINFORCEMENT

1/COVER TO REINFORCEMENT

40mm COVER TO BASE SLAB
30mm COVER TO DWARF WALL/BEAM

2/ENGINEER TO INSPECT AND APPROVE FINAL STEEL FIX PRIOR TO CASTING CONCRETE.

3/ALL REINFORCEMENT STEEL TO COMPLY WITH BS4449, BS4482 & BS4483.

4/MINIMUM LAP LENGTH 50 x BAR DIAMETER U.O.N.

STRUCTURAL STEELWORK

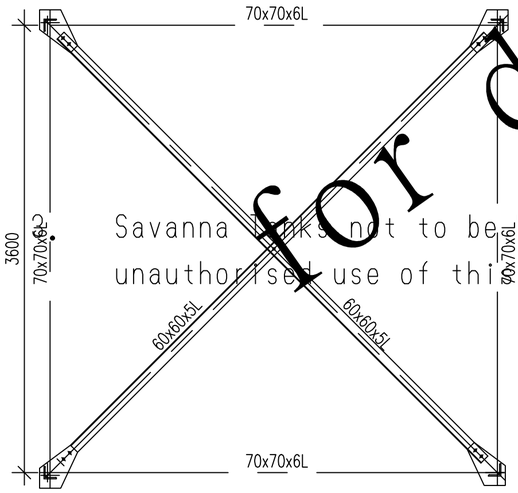
1/ALL STEELWORK FOR CAST IN PLATES, SPRAGS, FLAT BAR ETC. TO BE IN ACCORDANCE WITH SABS 1431 GRADE 300WA OR SIMILAR APPROVED.

2/ALL WELDS TO BE MIN. 6mm CONTINOUS FILLET U.N.O.

3/FABRICATION, WORKMANSHIP ETC. TO BE IN ACCORDANCE WITH SABS 1200M

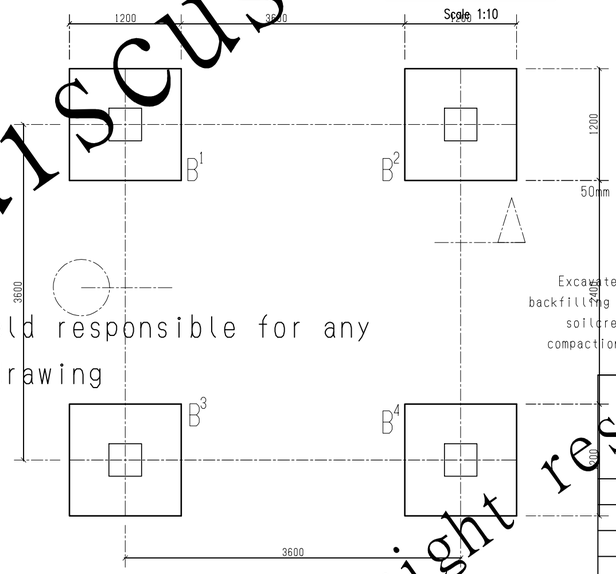
4/ALL BOLTS TO SABS 1700 (ISO4016)

2. The drawing is subjected to change at any time

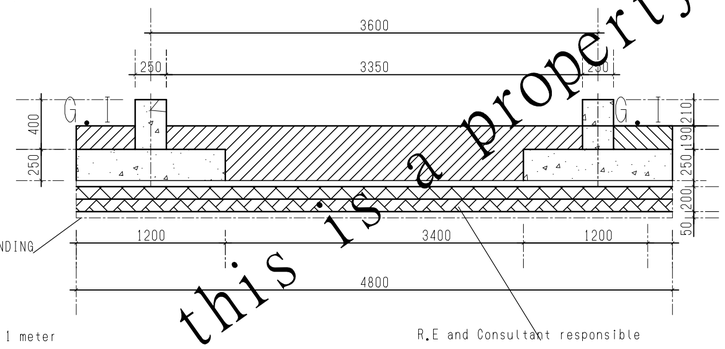


BRACING AT LEVELS 2&3

HORIZONTAL BRACING DET
Scale 1:50



FOUNDATION LAYOUT
scale 1:100



FOUNDATION DETAIL
Scale 1:50

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CLIENT ;

Project Title

50Kl STEEL TANK ON 10M STAND

Savanna Tanks™
Water Solutions for Africa

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P/Bag Bo 273
Gaborone
Botswana
vci@global.com

REV A

Datum | Name multi-view detail plan | (Ers. f.:) | (Ers. d.:)

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