

- NOTES
- GENERAL**
1. ALL DIMENSIONS IN (mm)
  2. GRID SETTING OUT DIMENSIONS TO BE CONFIRMED BY ENGINEER
  3. ALL STRUCTURAL WORKS TO APPROVAL OF ENGINEER

**CONCRETE**

6. CONCRETE MIX RATIOS TO BE AS FOLLOWS:

- (I) STRUCTURAL NORMAL CONCRETE 1: 2 : 4  
 (CEMENT: SAND : AGGREGATE)-CLASS 20(20)  
 (II) FINISHING CONCRETE 1 : 1 1/2 : 3  
 (CEMENT: SAND : AGGREGATE)-CLASS 15(20)

7. CONCRETE COVERS TO BE AS FOLLOWS:

- (I) ALL SUBSTRUCTURES - 50mm  
 (II) COLUMNS - 40mm  
 (III) BEAMS - 25mm  
 (IV) SLABS - 15mm  
 (V) B. R. C MESH - 25mm FROM TOP OF SLAB

**MASONRY**

10. ALL LOAD BEARING WALLS TO BE MINIMUM 200mm THICK NATURAL STONE OR CONCRETE BLOCK WITH MIN. CRUSHING STRENGTH OF 7N/mm<sup>2</sup>
11. ALL WALLS LESS THAN 200mm THICK TO BE REINFORCED WITH GAUGE 20x25mm WIDE HOOP IRON STRAPS AT EVERY ALTERNATE COURSE

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**APPROVIATIONS**

F.G.L. = FINISHED GROUND LEVEL

CLIENT / EMPLOYER:

IMPLEMENTING ORGANIZATION:



**ALIGHT**  
 CAPITAL WEST 6TH FLOOR  
 LANTANA ROAD  
 WESTLANDS  
 NAIROBI

PROJECT TITLE:

**CONSTRUCTION OF WATER  
 TANK IN LOWER JUBA /  
 SOMALIA**

DRAWING TITLE:

**20METER CUBIC ELEVATED  
 WATER TANK**

**(STRUCTURAL DETAILS -1)**

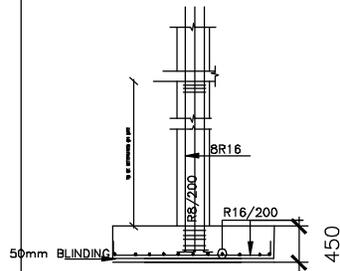
DRAWN BY: HASSAN M DAHIR

DESIGNED BY: HASSAN M DAHIR

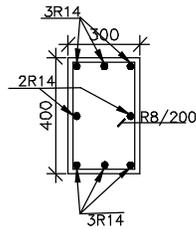
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SCALE: AS SHOWN

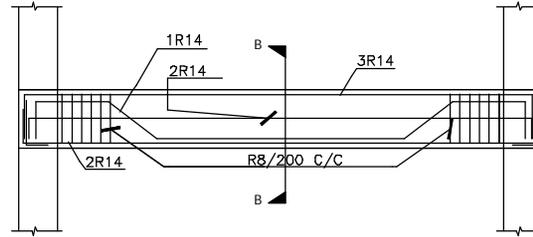
DRAWING No: ALIGHT WATER TANK



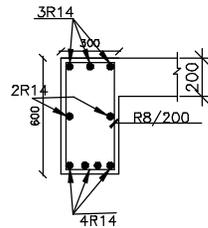
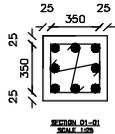
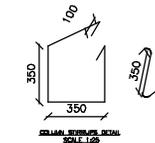
SECTION A-A BASE FOUNDATION  
(4 Nos.)  
SCALE 1:50



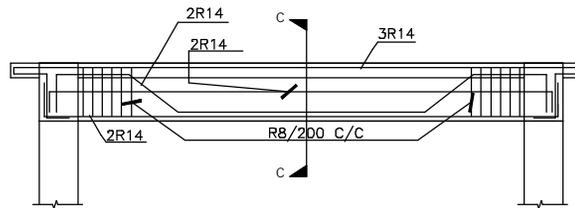
SECTION B-B  
SCALE 1:25



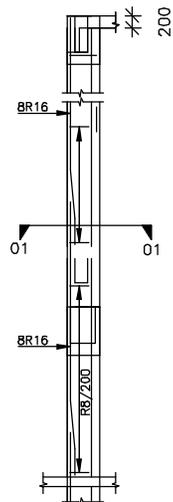
400x300 GROUND AND TIE BEAMS  
SCALE 1:50



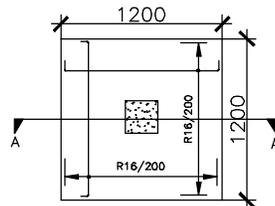
SECTION C-C  
SCALE 1:25



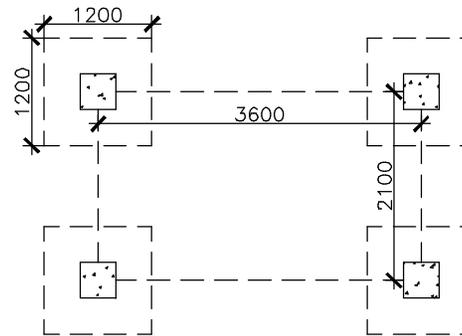
600x300 LOAD BEARING BEAM  
SCALE 1:50



400x400 COLUMN  
(4 Nos.)  
SCALE 1:50



1200x1200x450 BASE FOUNDATION (4 Nos.)  
SCALE 1:50



FOUNDATION  
(125mm THICK SLAB)  
SCALE 1:100

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APPROPRIATIONS

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IMPLEMENTING ORGANIZATION:



**ALIGHT**  
CAPITAL WEST 6TH FLOOR  
LANTANA ROAD  
WESTLANDS  
NAIROBI

PROJECT TITLE:

**CONSTRUCTION OF WATER  
TANK LOWER JUBA / SOMALIA**

DRAWING TITLE:

**20METER CUBIC ELEVATED  
WATER TANK**

**(STRUCTURAL DETAILS-2)**

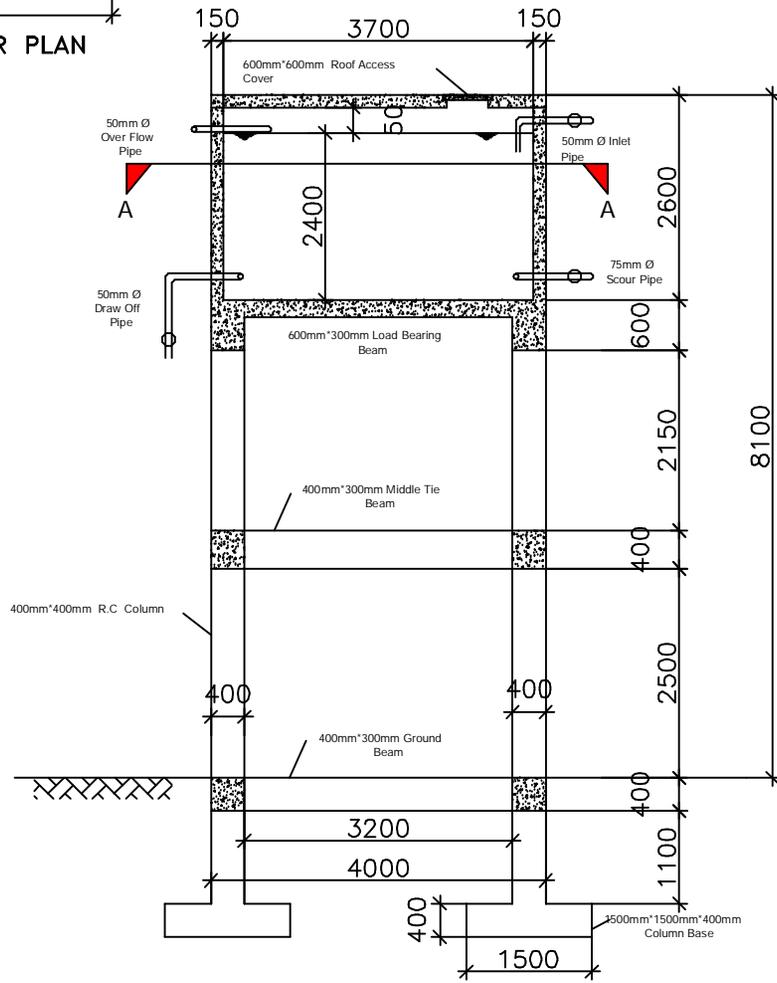
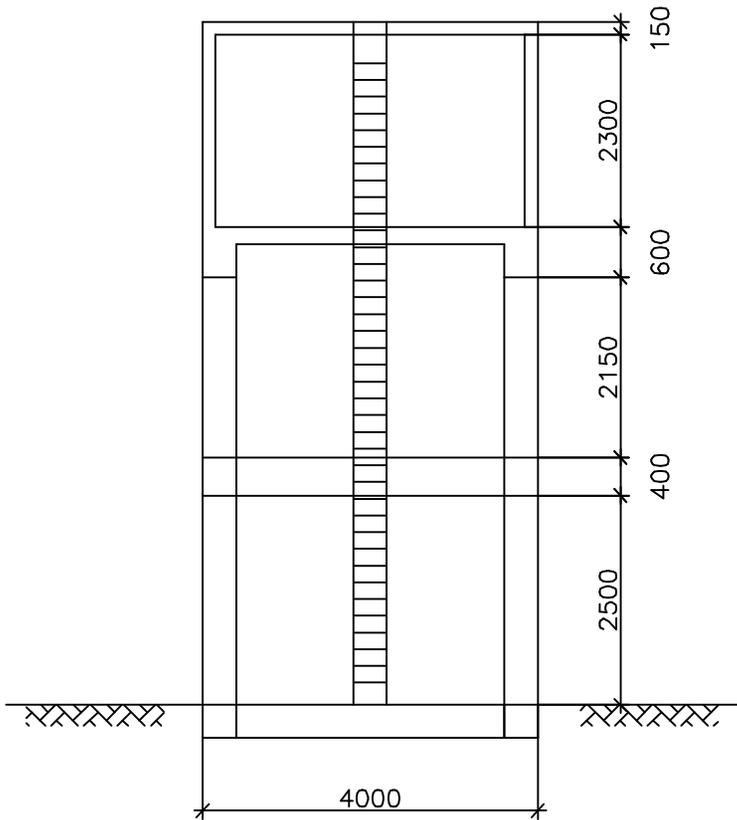
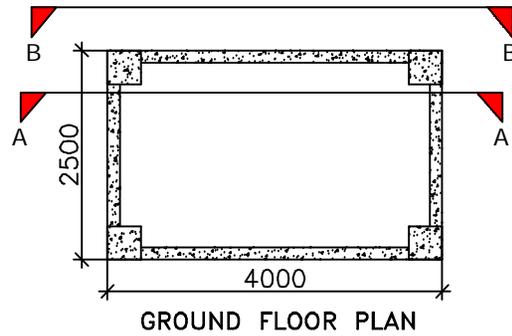
DRAWN BY: HASSAN M DAHIR

DESIGNED BY: HASSAN M DAHIR

DESIGNED DATE: TBC

SCALE: AS SHOWN

DRAWING No: ALIGHT WATER TANK



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**APPROPRIATIONS**

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IMPLEMENTING ORGANIZATION:



**ALIGHT**

ALIGHT  
CAPITAL WEST 6TH FLOOR  
LANTANA ROAD  
WESTLANDS  
NAIROBI

PROJECT TITLE:

**Construction of 20 Meter Cubic Elevated Water Tank**

DRAWING TITLE:

**20METER CUBIC ELEVATED WATER TANK**

(ARCHITECTURAL DETAILS)

DRAWN BY: **Hassan M Dahir**

DESIGNED BY: **Hassan M Dahir**

APPROVED BY: **Adan Salad Haluba**

CHECKED BY:

MODIFIED BY:

DESIGNED DATE:

SCALE:

DRAWING No: