



GENERAL NOTES

CONCRETE STRENGTH

(A) FOUNDATIONS..... 25 Mpa cube strength at 28 days

(B) SLABS..... 30 Mpa cube strength at 28 days

(C) WALLS..... 30 Mpa cube strength at 28 days

(D) APRON..... 25 Mpa cube strength at 28 days

COVER TO REINFORCEMENT:

(A) STRIP FOOTING..... + 40mm

(B) RAFT FOUNDATION..... + 40mm

(C) SUSPENDED SLAB..... UNDERSIDE + 40mm TOP + 30mm

(D) GROUND SLAB..... UNDERSIDE + 40mm TOP + 30mm

NOTE:

1. BEAM DEPTH INCLUDES SLAB THICKNESS

2. CONTRACTOR IS TO MAINTAIN STEEL IN CORRECT POSITION AFTER PLACING AND DURING CONCRETING

3. STONE, SAND AND CEMENT TO BE TO THE SATISFACTION OF THE CONSULTING ENGINEER

4. NO CONCRETE TO BE POURED UNTIL THE STEEL HAS BEEN INSPECTED BY THE CONSULTING ENGINEER

5. ANY BREAKS IN THE CONCRETE ARE TO BE MADE IN ACCORDANCE WITH THE ENGINEER'S INSTRUCTIONS

6. NO STRUCTURAL ALTERATIONS TO BE MADE WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER

7. THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING CONDITIONS:

(A) SAFE GROUND PRESSURE..... 75 kN/sq m

(B) LIVE LOAD ON SLAB..... 2.5 kN/sq m

8. THE DESIGN ON THIS DRAWING REMAINS THE PROPERTY OF KERSHANA CONSULTING ENGINEERS - COPYRIGHT IS RESERVED

9. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE WORK IS PUT IN HAND. ANY DISCREPANCY MUST IMMEDIATELY BE REPORTED TO THE ENGINEER

10. THIS DRAWING IS NOT TO BE SCALED

11. APRON COVER TO BE 25mm

12. FOR FFL, REFER TO SITE LAYOUT AND ARCHITECTS DRAWINGS

13. UNIT TO BE MIRRORED DEPENDANT ON SITE CONDITIONS

14. THE CONCRETE MIX FOR THE FLOOR SLAB AND WALLS OF THE PIT MUST INCLUDE 25kg COPROX / 50kg OF CEMENT OR SIMILAR APPROVED

REINFORCING NOTES:

1. MINIMUM LAP LENGTH + 40 x BAR Ø

2. LAP LENGTHS FOR UNEQUAL BAR DIAMETERS SHALL BE BASED ON THE SMALLER BAR DIAMETER

3. MAXIMUM SIZE OF AGGREGATES SHALL BE 20mm. AGGREGATE SHALL BE WELL GRADED

4. BENDING OF REINFORCEMENT SHALL COMPLY WITH SANS 282

5. MILD STEEL YIELD STRESS + 250Mpa

6. HIGH TENSILE STEEL YIELD STRESS + 450Mpa

7. WELDING OF REINFORCEMENT IS NOT ALLOWED UNLESS IT HAS BEEN APPROVED BY THE ENGINEER IN WRITING

8. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS. ANY DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER

NOTE: REINFORCEMENT
REBAR ESTIMATES = 120kg PER
CUBIC METER OF CONCRETE

B	06-03-23	ISSUED FOR INFORMATION	K. M
NO.	DATE	REVISION	CHECK'D
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201670008			
ASSOCIATED REFERENCE DRAWING			
FIELD	DESCRIPTION	REV.	DATE
KEY : A = ARCHITECT; C = CIVIL; S = STRUCTURAL; M = MECHANICAL; E = ELECTRICAL; L = LANDSCAPE			
NAME			
DESIGNED	D. GWIRWA	DATE	06-03-23
DRAWN	T. TSHIKOTA	DATE	06-03-23
VERIFIED	K. MUJALI	DATE	06-03-23
VALIDATED	K. MUJALI	DATE	06-03-23
CLIENT			
IMPLEMENTED BY			
education Department: Education PROVINCE OF KWAZULU-NATAL			
PROJECT Kwa-Zulu Natal Department of Education Infrastructure Development and Maintenance Programme PROVINCE: KZN PROVINCE 1-AMABUYE SECONDARY SCHOOL			
DRAWING TITLE ABLUTION SHEET 1 STRUCTURAL PLAN SECTIONS AND DETAILS			
TYPE OF INFRASTRUCTURE WATER & SANITATION			
DWG NUMBER	DISCIPLINE	DRAWING NUMBER	REACTION
500101306	STRUCTURAL	31462-50-100	I B

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