



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2018/2019

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF CONSTRUCTION MANAGEMENT

BCM 303: MEASUREMENT AND APPRAISALS

DATE: Thursday 13th December 2018

TIME: 8.00a.m -10.00a.m

INSTRUCTIONS:

Question No. 1 is compulsory and answer any TWO questions from the other four.

Section One compulsory (30 marks)

- Q1. a) Take off all quantities shown on drawing No. 2307/305. [20 marks]
b) Explain the FIVE methods of approximate estimating carried out before the Bills of Quantities are prepared. [10 marks]

Section Two: Answer any two questions from this section

- Q2. Take off all quantities shown on drawing No. 3020/300. [20 marks]
- Q3. a) Take off all quantities shown on drawing No.04. [15 marks]
b) Define the following terms as used in the form of contract for construction works. [5 marks]
i) Likuated and ascertained damages
ii) Schedule of rate
iii) Variation
iv) Day works
v) Prime cost sum
- Q4. a) Take of all quantities shown on drawing No. [15 marks]
b) Define the following terms as used in construction contracts. [5 marks]
i) Contract drawings
ii) Architecture instructions

- iii) Fluctuations
- iv) Defect liability period

Q5. Prepare the internal schedule of finishes and take off all quantities shown on drawing/plate No, 24.

[20 marks]

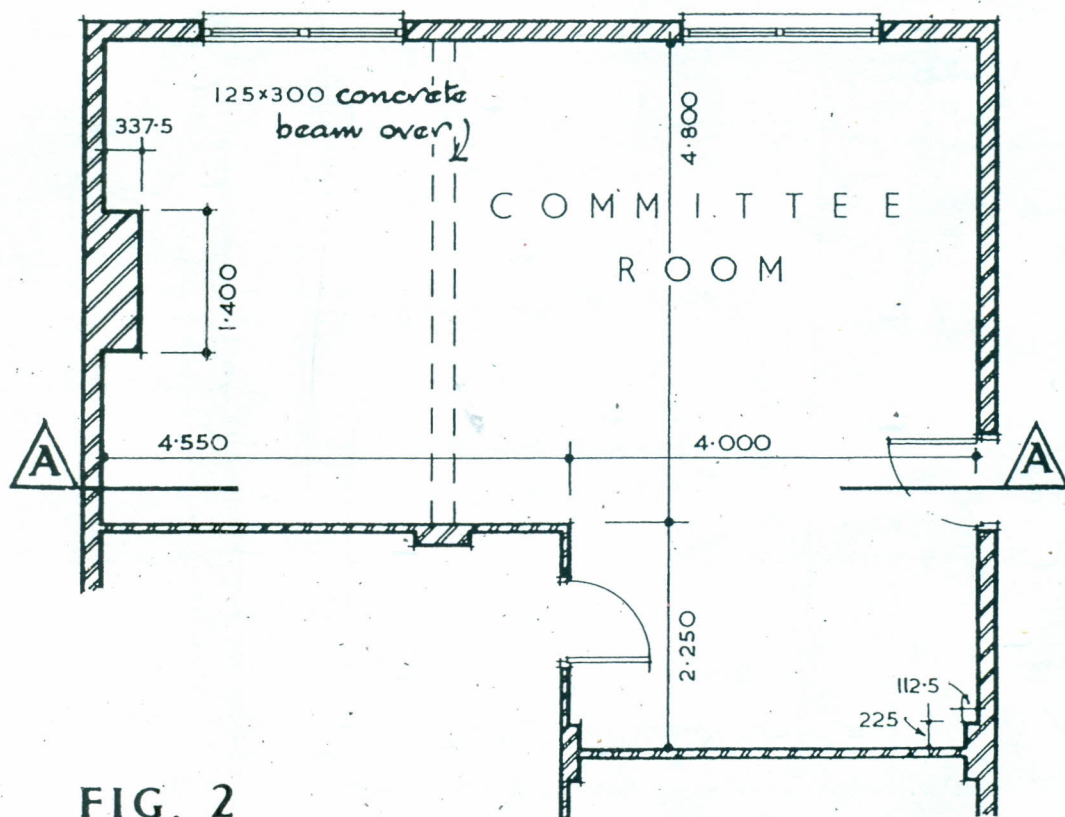
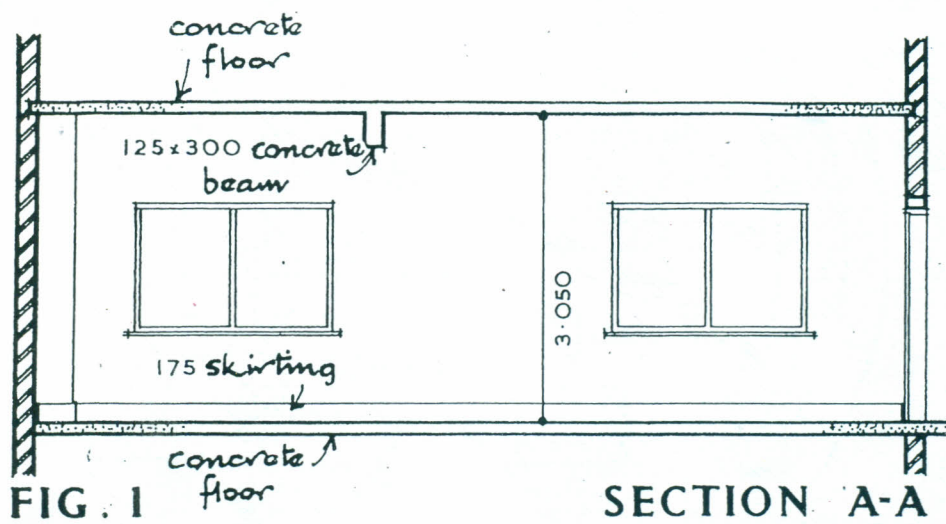
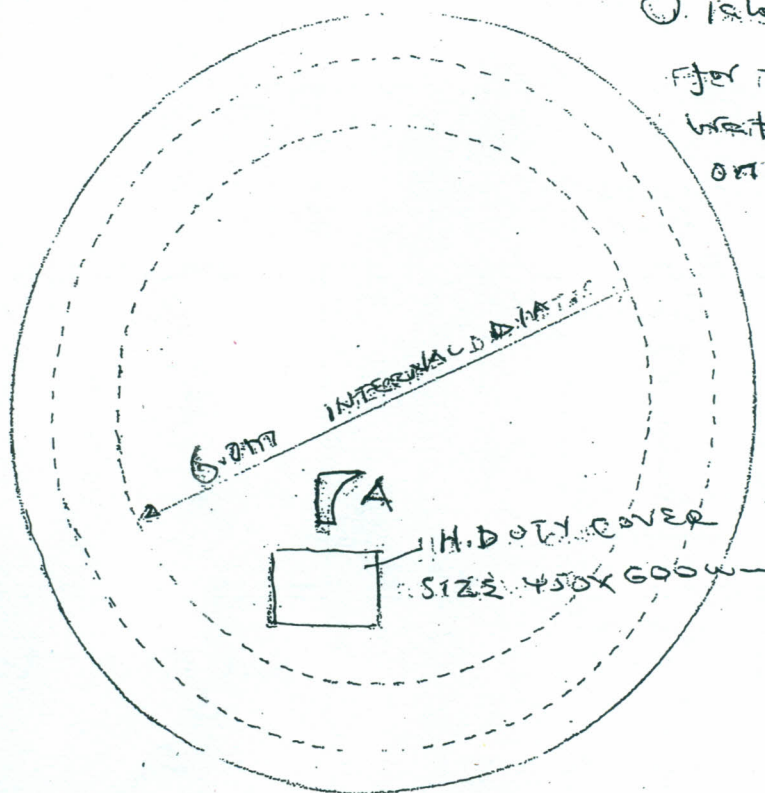


PLATE 24

UNDERGROUND WATER TANK

Take off all Quantities for the underground water tank shown on drawings 00.8

PLAN



NOTES

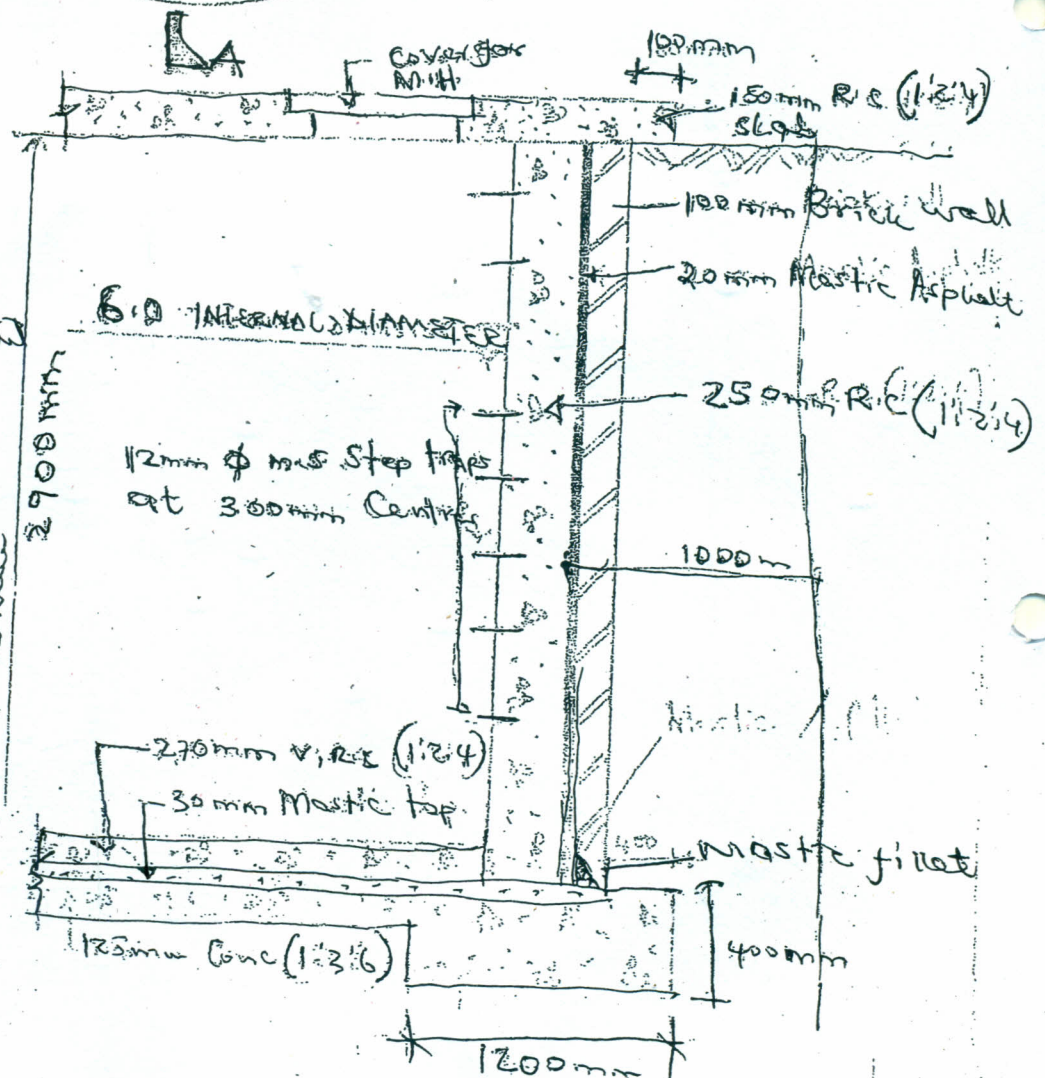
1. Site is Clear

Topsoil average 250mm deep to be removed from site

Ignore the reinforcement work

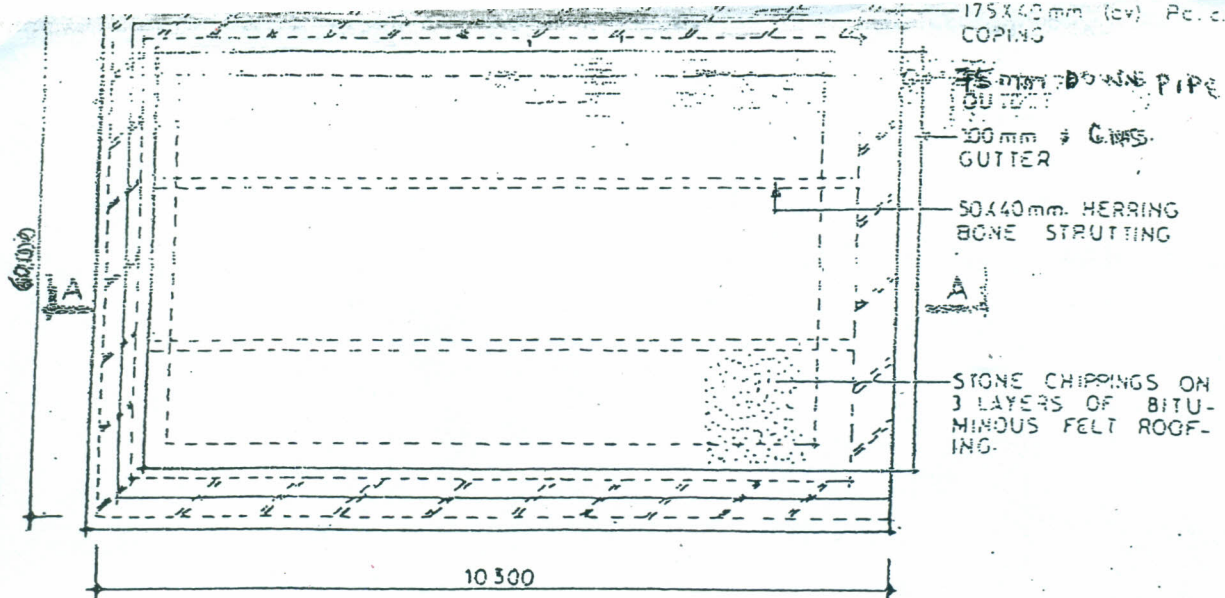
Rock Commenced at 1.70m below ground level

Structural wall is cast before the protective wall

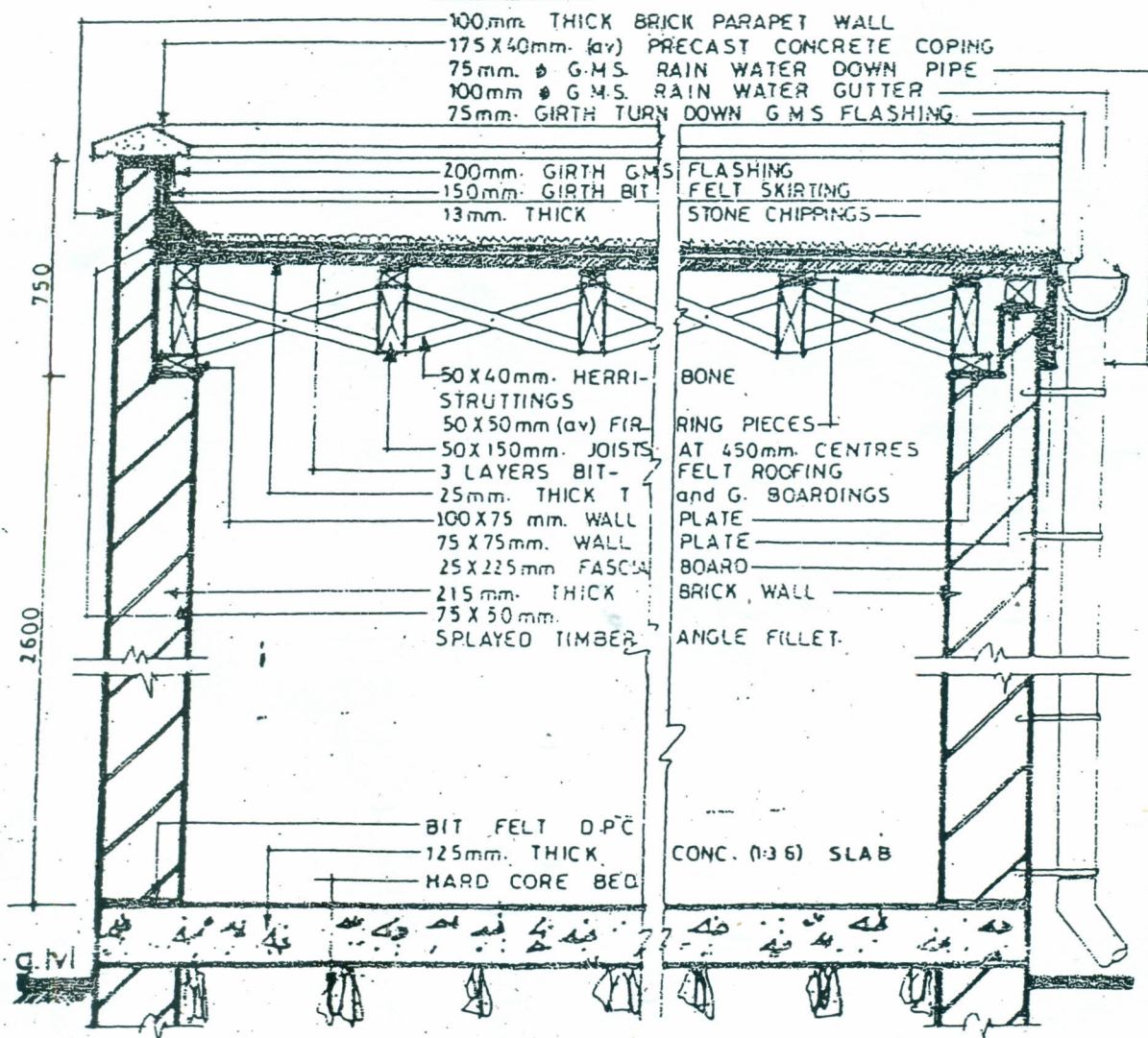


No 08

SECTION A-A



roof plan



section A A

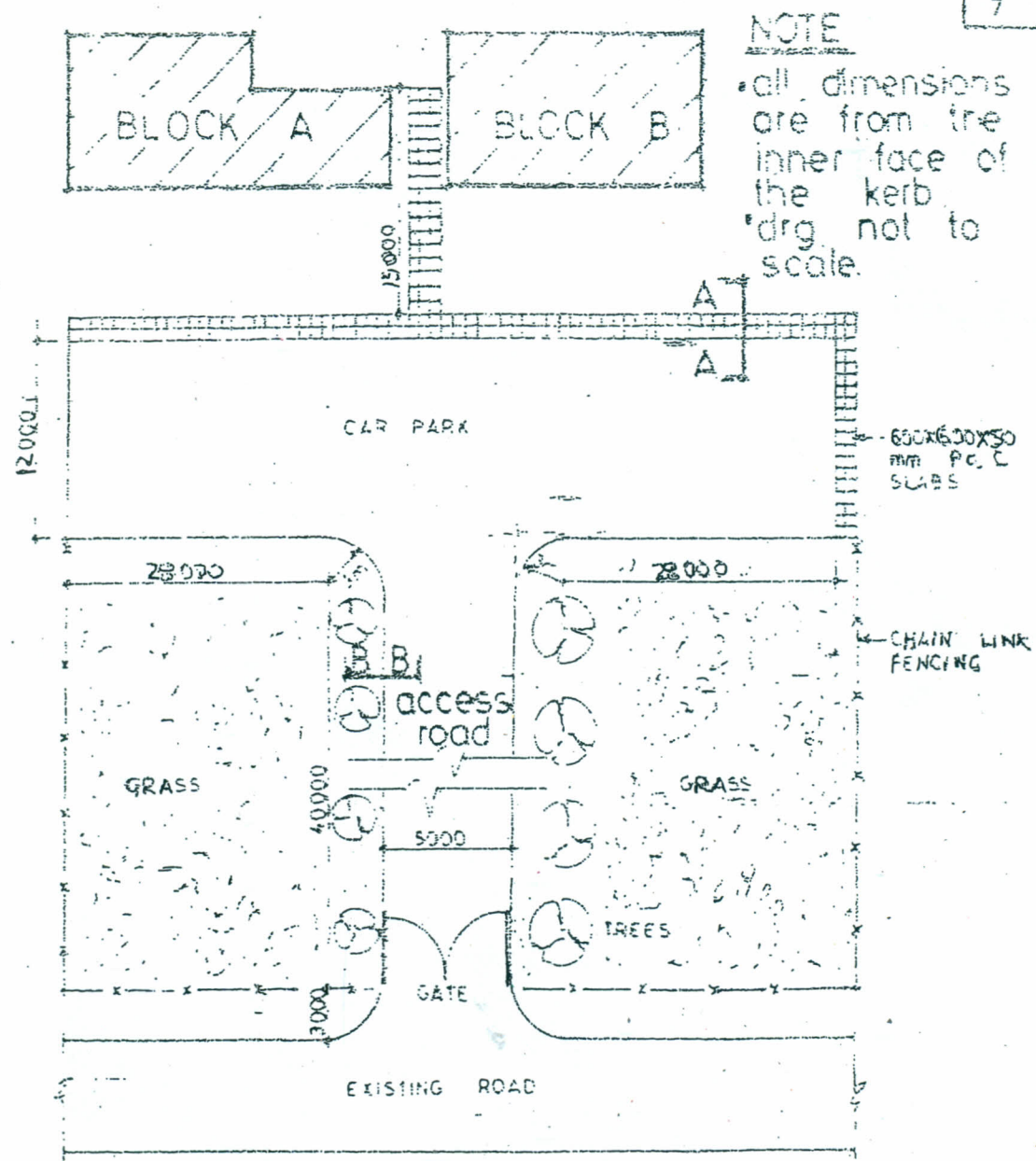
DRG. NO: 03

Take off all quantities for the Impermeable Works shown on drawing.

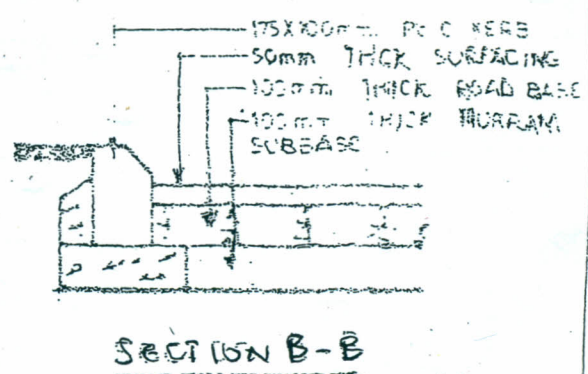
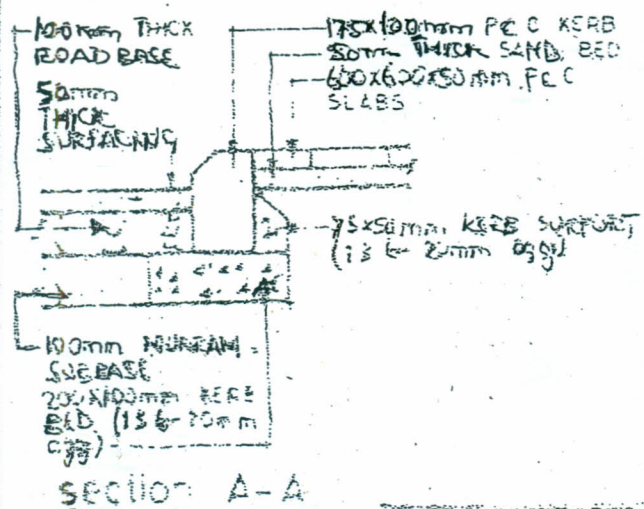
(3020/216)

Shower on dry no 03/300

7



NOTE
 all dimensions are from the inner face of the kerb.
 'drg' not to scale.



KNEC PAPER NO 3020/300
 03