INSTRUCTIONS:
1. Please attempt all questions.
2. A reasonable specification and logical assumption should be made where given information is considered insufficient.
3. All queries, assumptions and notes are to be recorded in query sheets.

NOTE:
a) Dimension paper will be supplied.
b) Seven drawings numbered 01/07 and 07/07 accompany this paper.
c) Candidates will lose marks for disorderly work, poor expression and inadequate referencing.
d) Dimension pages must each reflect the student’s name and number and should be numbered consecutively.
e) The examination is closed book. No class notes, drawings, or take-offs will be permitted in the venue. Only the following reference material will be allowed in the venue:


f) All work is to be measured in accordance with the latest edition of Standard System of Measuring Building Work
g) Marks are allocated to each question and allocated marks are indicated in brackets after each question.
h) Question papers and drawings must be returned with the scripts.
i) Calculators are permitted except programmable calculators.
Questions

Candidates are required to carry out the necessary processing procedures:

a. Query list (providing reasonable design solutions where details are missing)
b. Measure only, in the order indicated below, the following sections of the proposed building shown on the drawings provided

1. Foundations taken up to the top surface bed level (including site clearance and excavations)
2. External superstructure brickwork up to the underside of top tie beam
3. Roofs
4. Ceiling and cornices to Master Bed Room
5. Internal wall finishes to Guest Bath Room — plaster, paint and tiling

Your dimensions must be clearly referenced and show all sidecasts and calculations. The query list should only reflect items, which are necessary for the measurement of the above elements.

Mark Allocation:

a) Adequacy of query list .......... [20%]
b) Principles of measurement applied .......... [30%]
c) Items identified and measured in accordance with Standard Systems of Measurement/accuracy ............... [30%]
d) Adequacy of descriptions ............. [20%]

Finishing Schedule

Internal Walls:
- 4:1 cement plaster on one coat sealer and 2 coats interior quality Plascon Wall n All paint to all walls
- 5:1 cement plaster backing & 500x500x6mm Ceramic wall tiles: to 2100mm height to Bath rooms — no skirtings

Ceiling and Cornices
- 9mm Gypsum plasterboard ceilings with wire scrim over joints finished with crestone skim plaster fixed to 38x38mm brandering at 500mm centers bothways.
- 22x4mm Wrot meranti cornices to ceiling perimeter.
- Trap door size 450 x 600mm in all rooms
- 500mm Pink Aerolite insulation over ceiling
- One coat sealer & 2 finishing coats Plascon Wall n All paint to ceilings & cornices
NOTE (to be read in conjunction with accompanying drawings)

Foundations
- Allow 2m around building perimeter for site clearance
- No trees or shrubs are on site
- Assume a level platform. No stepping in foundation required.
- Allow for rock: 12% for soft rock and 6% for hard rock
- All adjustments for intersections must be done – provide sketches for calculations

Brickwork
- All brickworks shall be Corobrik clay commons in Class B mortar stretcher bond
- Brikforce shall be provided at every course in foundation brick and at every 4th course above surface bed level
SECTION X-X (Unit:mm)
DRAWING 0207

GROUND FLOOR 100mm THICK SLAB REINFORCEMENT,
BEAM AND COLUMN LAYOUT (Unit:mm)
DRAWING 0307

NOTE:
C1 - Nonthreaded concrete column
### Window Schedule (Unit: mm)

<table>
<thead>
<tr>
<th>Elevation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>WD1</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>150 x 150 cm</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Metal Window</td>
</tr>
<tr>
<td><strong>Frame</strong></td>
<td>Metal</td>
</tr>
<tr>
<td><strong>Glazing</strong></td>
<td>4mm thick clear glass</td>
</tr>
</tbody>
</table>

### Door Schedule (Unit: mm)

<table>
<thead>
<tr>
<th>Elevation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>D1</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>100 x 250 cm</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Metal Door</td>
</tr>
<tr>
<td><strong>Frame</strong></td>
<td>Metal</td>
</tr>
<tr>
<td><strong>Glazing</strong></td>
<td>4mm figured glass</td>
</tr>
</tbody>
</table>

### Door and Window Schedule

**Drawing 09/07**

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**Truss 1 (TR-1)**

**Truss 2 (TR-2)**

**Truss Sections (Unit: mm)**

**Drawing 07/07**