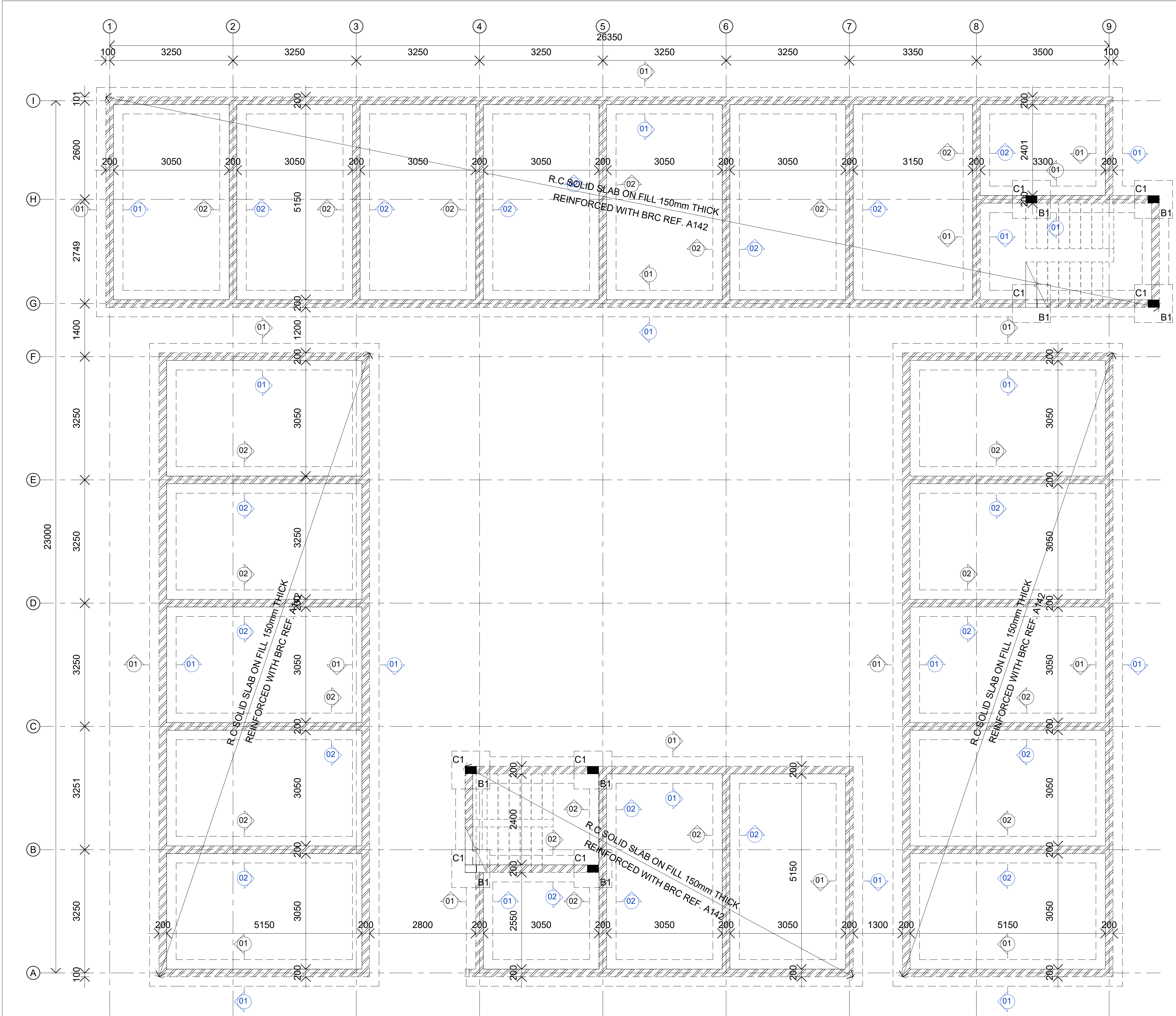
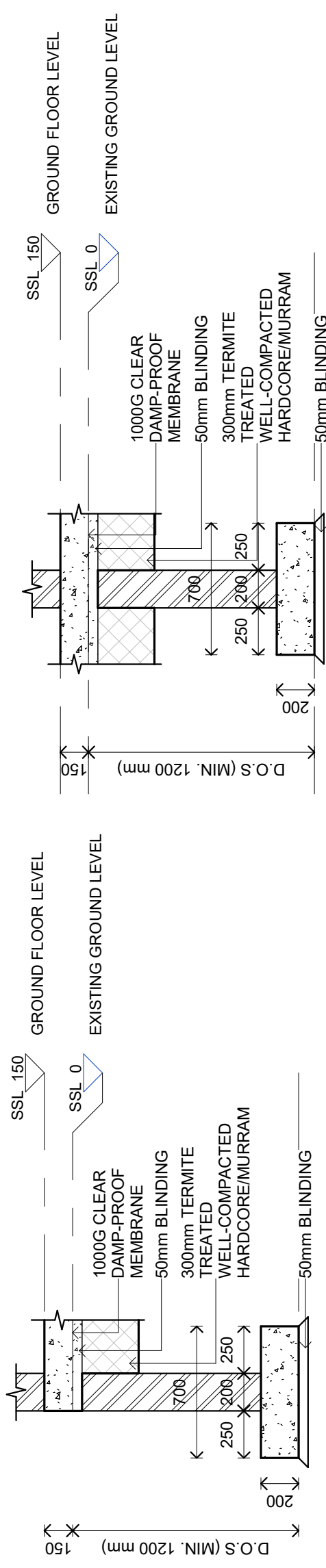




FOUNDATION & GROUND FLOOR LAYOUT  
SCALE 1 : 50



SECTION 02-02  
SCALE 1 : 25

SECTION 01-01  
SCALE 1 : 25

NOTES

1. This drawing **MUST** be read in conjunction with all relevant contract documents.

2. The contractor **MUST** confirm all dimensions on site before commencing any work.

3. All dimensions are in millimeters unless specified.

4. Concrete cover to reinforcement steel to be:

a. Foundation = 50mm

b. Columns = 30mm

c. Beams = 25mm

d. Slabs = 20mm

5. Concrete strength for structural concrete members to be class 25/20.

6. Ribbed steel reinforcement bars to B.S. 4499 are denoted "T".

7. Mild steel reinforcement bars to B.S. 4499 are denoted "R".

8. All steel reinforcement **MUST** be approved by the structural engineer before casting.

9. Masonry wall strength required = 7N/mm².

REVISION

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PROJECT

PROPOSED AFFORDABLE HOUSING DEVELOPMENT IN NAIROBI

CLIENT

CAHF

DRG. TITLE

FOUNDATION & GROUND FLOOR LAYOUT

CONSULTANTS

ENG. BRIAN OTIENO  
P.O. BOX 102119-00100  
NAIROBI, KENYA

ARCHITECT

GRASP DESIGN LIMITED P.O.  
BOX 73484-00200 NAIROBI,  
KENYA

DRAWN BY

S.W.S

CHECKED BY

B.D.O

SCALE

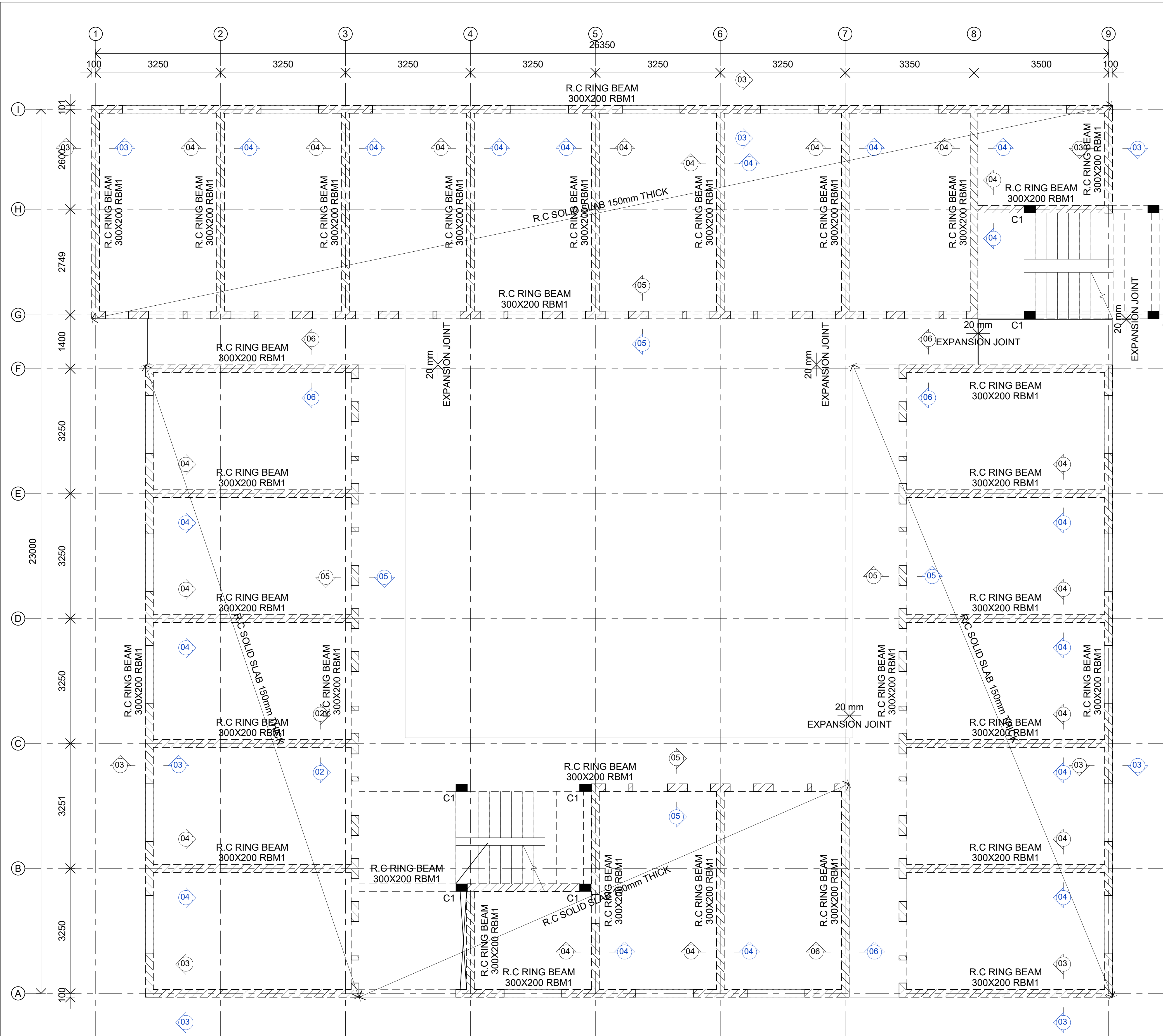
As indicated

DATE

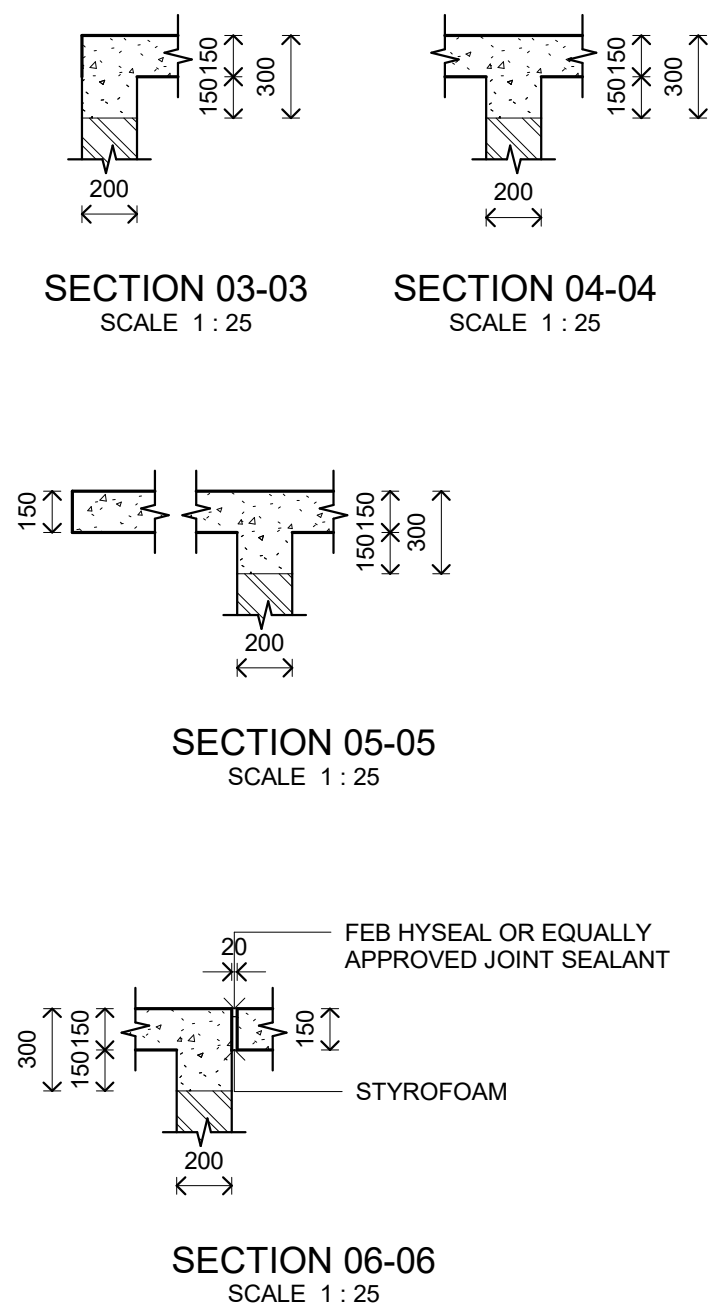
JUL 2024

DRAWING NUMBER

L01



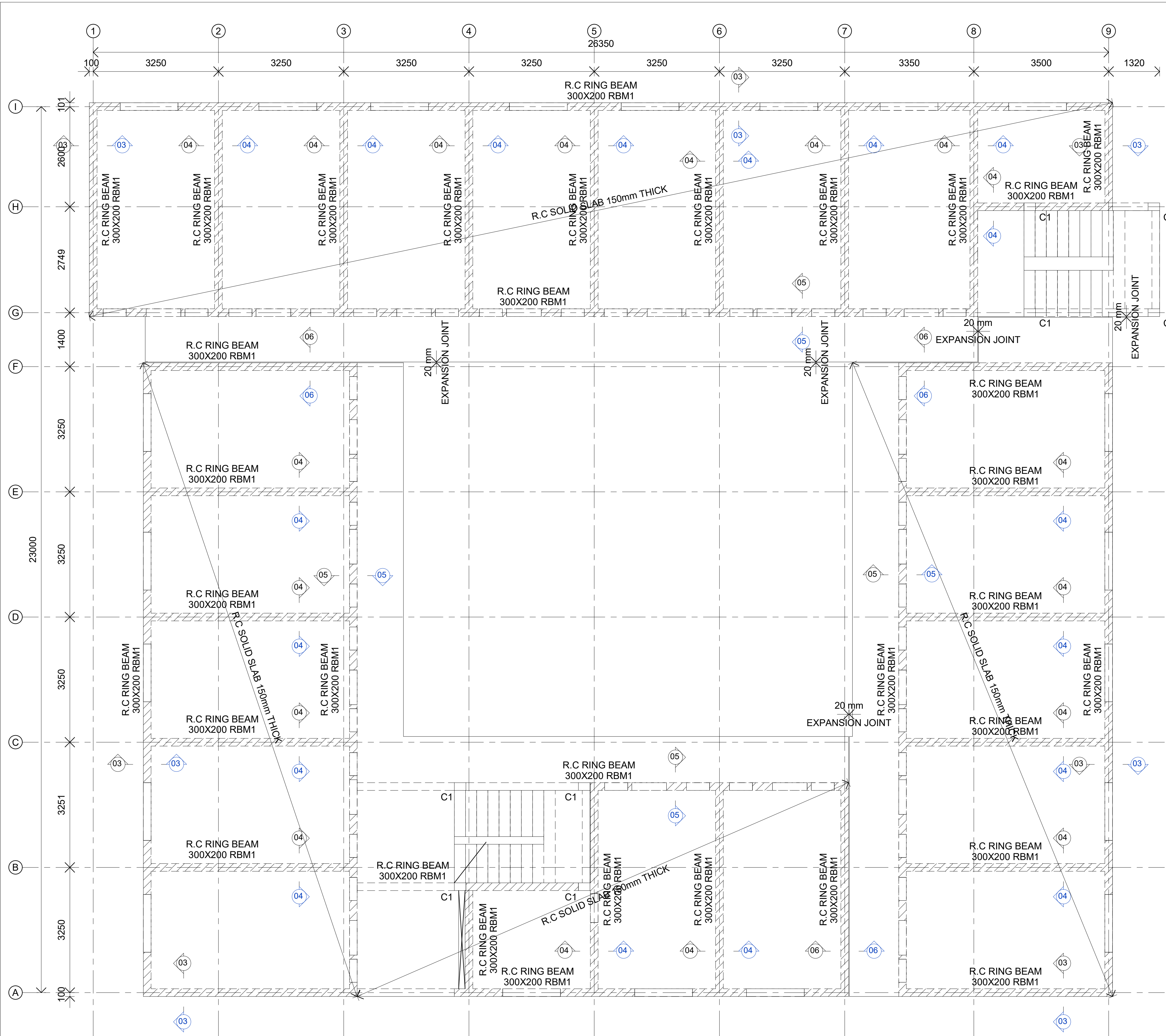
TYPICAL FLOOR LAYOUT  
SCALE 1 : 50



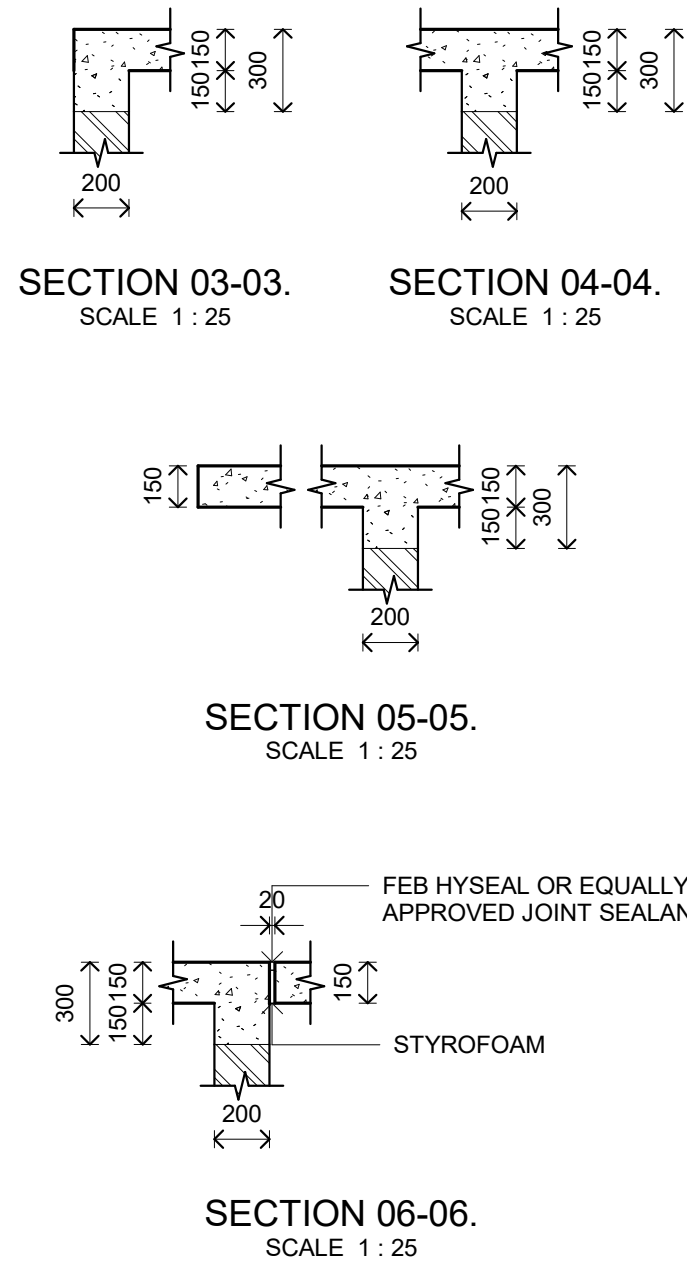
- NOTES**
1. This drawing **MUST** be read in conjunction with all relevant contract documents.
  2. The contractor **MUST** confirm all dimensions on site before commencing any work.
  3. All dimensions are in millimeters unless specified.
  4. Concrete cover to reinforcement steel to be:
    - a. Foundation = 50mm
    - b. Columns = 30mm
    - c. Beams = 25mm
    - d. Slabs = 20mm
  5. Concrete strength for structural concrete members to be class 25/20.
  6. Ribbed steel reinforcement bars to B.S. 4499 are denoted "T".
  7. Mild steel reinforcement bars to B.S. 4499 are denoted "R".
  8. All steel reinforcement **MUST** be approved by the structural engineer before casting.
  9. Masonry wall strength required = 7N/mm².

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| PROJECT                                                        |                       |                       |
| PROPOSED AFFORDABLE HOUSING DEVELOPMENT IN NAIROBI             |                       |                       |
| CLIENT                                                         |                       |                       |
| CAHF                                                           |                       |                       |
| DRG. TITLE                                                     |                       |                       |
| TYPICAL FLOOR LAYOUT                                           |                       |                       |
| CONSULTANTS                                                    |                       |                       |
| ENG. BRIAN OTIENO<br>P.O. BOX 102119-00100<br>NAIROBI, KENYA   |                       |                       |
| ARCHITECT                                                      |                       |                       |
| GRASP DESIGN LIMITED P.O.<br>BOX 73484-00200 NAIROBI,<br>KENYA |                       |                       |
| DRAWN BY<br>S.W.S                                              | CHECKED BY<br>B.D.O   | SCALE<br>As indicated |
| DATE<br>JUL 2024                                               | DRAWING NUMBER<br>L02 |                       |



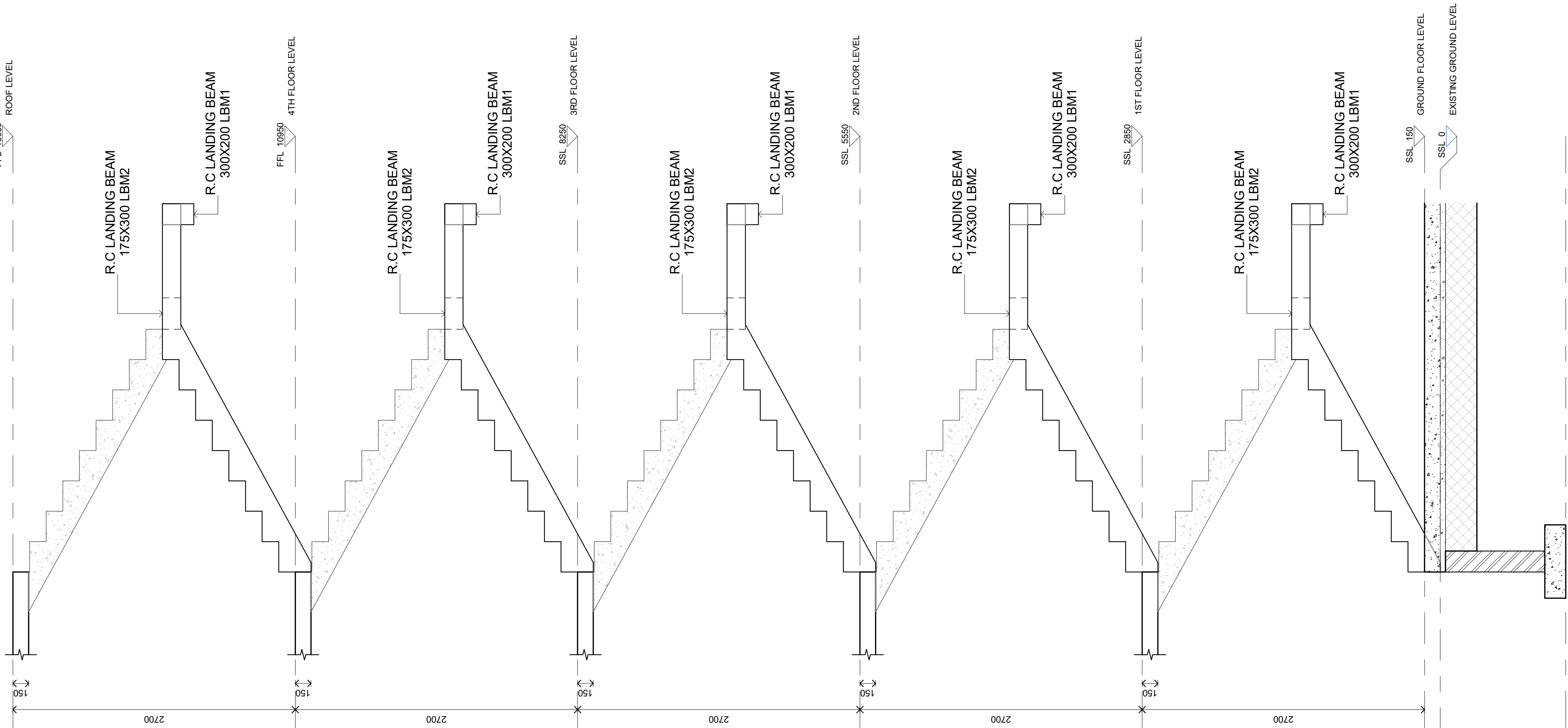
ROOF LAYOUT  
SCALE 1 : 50



- NOTES**
1. This drawing **MUST** be read in conjunction with all relevant contract documents.
  2. The contractor **MUST** confirm all dimensions on site before commencing any work.
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  4. Concrete cover to reinforcement steel to be:
    - a. Foundation = 50mm
    - b. Columns = 30mm
    - c. Beams = 25mm
    - d. Slabs = 20mm
  5. Concrete strength for structural concrete members to be class 25/20.
  6. Ribbed steel reinforcement bars to B.S. 4499 are denoted "T".
  7. Mild steel reinforcement bars to B.S. 4499 are denoted "R".
  8. All steel reinforcement **MUST** be approved by the structural engineer before casting.
  9. Masonry wall strength required = 7N/mm<sup>2</sup>.

| REVISION |             |      |
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| PROJECT                                                        |                       |                       |
| PROPOSED AFFORDABLE HOUSING DEVELOPMENT IN NAIROBI             |                       |                       |
| CLIENT                                                         |                       |                       |
| CAHF                                                           |                       |                       |
| DRG. TITLE                                                     |                       |                       |
| ROOF LAYOUT                                                    |                       |                       |
| CONSULTANTS                                                    |                       |                       |
| ENG. BRIAN OTIENO<br>P.O. BOX 102119-00100<br>NAIROBI, KENYA   |                       |                       |
| ARCHITECT                                                      |                       |                       |
| GRASP DESIGN LIMITED P.O.<br>BOX 73484-00200 NAIROBI,<br>KENYA |                       |                       |
| DRAWN BY<br>S.W.S                                              | CHECKED BY<br>B.D.O   | SCALE<br>As indicated |
| DATE<br>JUL 2024                                               | DRAWING NUMBER<br>L03 |                       |



STAIRCASE DETAILS

TREAD = 290mm  
WAIST = 150mm  
RISER = 159mm

NOTES

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8. All steel reinforcement **MUST** be approved by the structural engineer before casting.
9. Masonry wall strength required = 7N/mm².

REVISION

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PROJECT

PROPOSED AFFORDABLE  
HOUSING DEVELOPMENT IN  
NAIROBI

CLIENT

CAHF

DRG. TITLE

STAIRCASE DETAIL

CONSULTANTS

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ARCHITECT

GRASP DESIGN LIMITED P.O.  
BOX 73484-00200 NAIROBI,  
KENYA

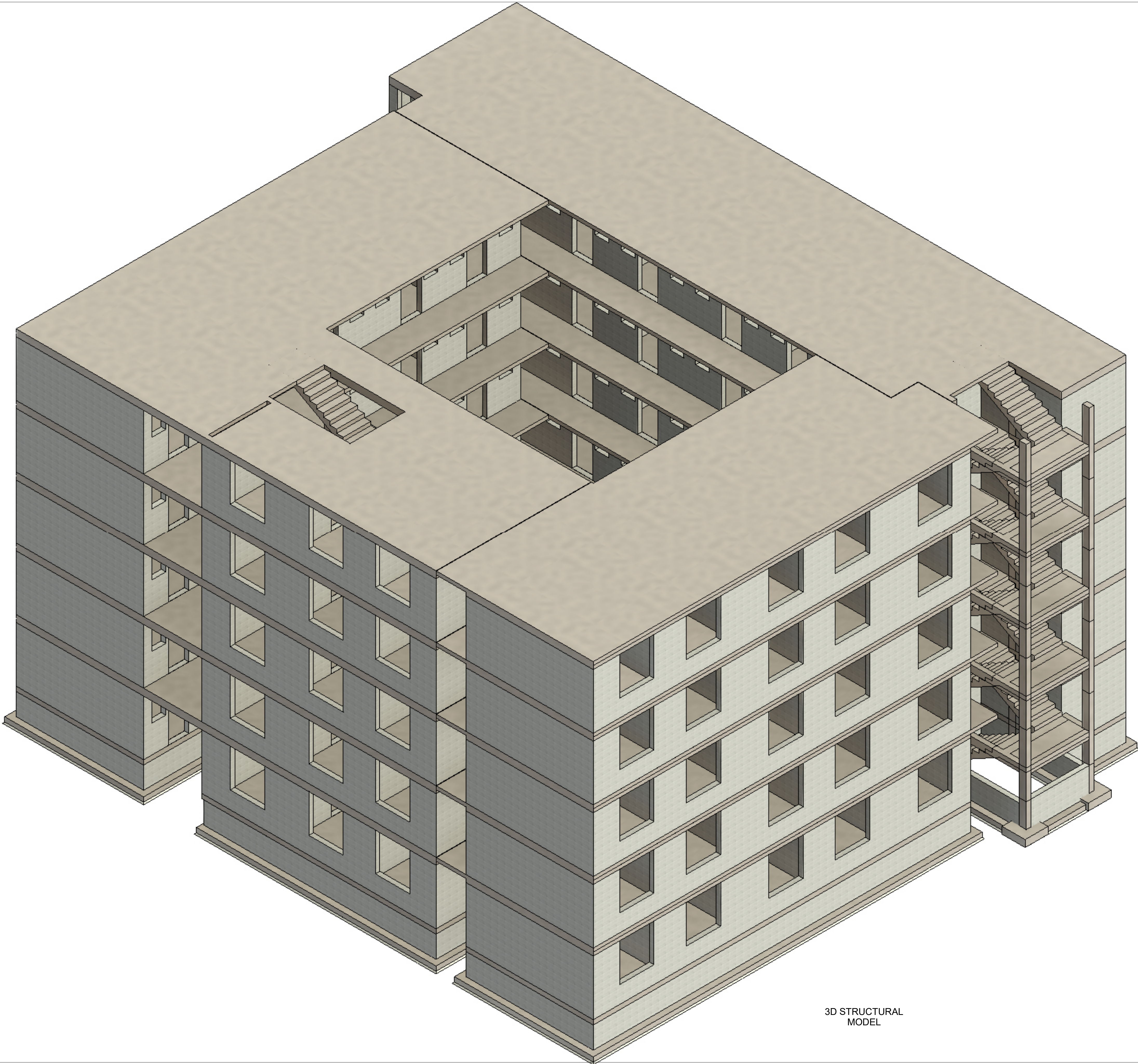
DRAWN BY  
S.W.S

CHECKED BY  
B.D.O

SCALE  
1 : 25

DATE  
MAR. 2024

DRAWING NUMBER  
L04



3D STRUCTURAL  
MODEL

NOTES

1. This drawing **MUST** be read in conjunction with all relevant contract documents.
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4. Concrete cover to reinforcement steel to be:
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REVISION

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PROJECT

PROPOSED AFFORDABLE  
HOUSING DEVELOPMENT IN  
NAIROBI

CLIENT

CAHF

DRG. TITLE

3D STRUCTURAL MODEL

CONSULTANTS

ENG. BRIAN OTIENO  
P.O. BOX 102119-00100  
NAIROBI, KENYA

ARCHITECT

GRASP DESIGN LIMITED P.O.  
BOX 73484-00200 NAIROBI,  
KENYA

DRAWN BY  
S.W.S

CHECKED BY  
B.D.O

SCALE

DATE  
MAR. 2024

DRAWING NUMBER  
L05