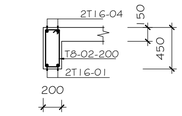
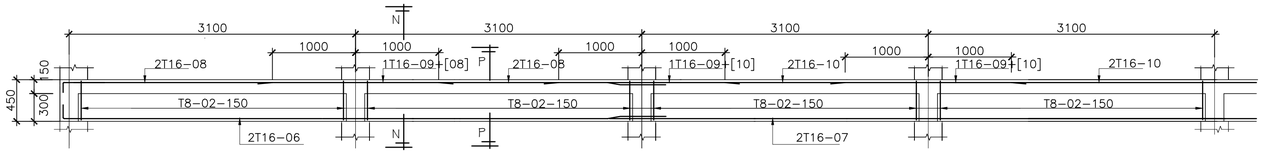


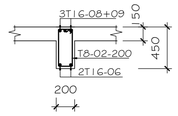
450X200 BEAM 1



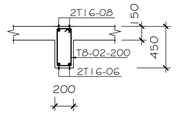
SECTION M–M



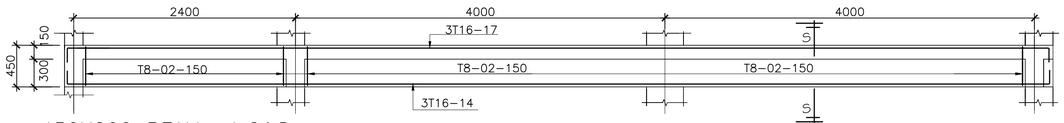
450X200 BEAM 2



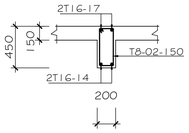
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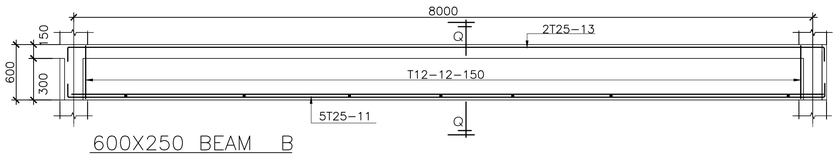
SECTION P–P



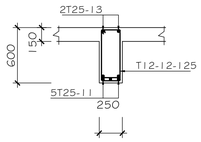
450X200 BEAM A,C&D
ON WALL



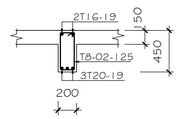
SECTION S–S



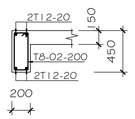
600X250 BEAM B



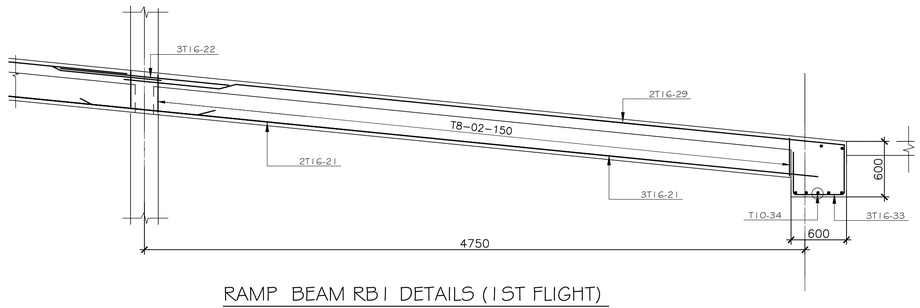
SECTION Q–Q



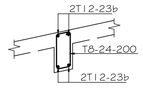
450x200 BEAM 3



450x200 BEAM 4



RAMP BEAM RB1 DETAILS (1ST FLIGHT)



450X200 BM RB2

NOTES

GENERAL

1. THIS DRAWING TO BE READ IN CONJUCTION WITH ARCHITECT'S AND SERVICES ENGINEER'S DRAWINGS AND ANY DISCREPANCIES TO BE BROUGHT TO ENGINEER BEFORE COMMENCING ON CONSTRUCTION DO NOT SCALE THE DRAWING
2. GRID SETTING OUT DIMENSIONS TO BE CONFIRMED BY ENGINEER AND ARCHITECT
3. THE ARCHITECT AND ENGINEER TO BE DIRECTLY INVOLVED ALL STRUCTURAL WORKS TO APPROVAL OF ENGINEER
4. SAWN TIMBER TO BE WELL SEASONED , PRESERVATIVE TREATED GENERAL STRUCTURAL (GS) GRADE CYPRESS TO KS02–771 1989
5. CONCRETE MIX RATIOS TO BE AS FOLLOWS:
   (i) STRUCTURAL CONCRETE CLASS 25
   (iii) BLINDING CONCRETE CLASS 15
6. CONCRETE COVERS TO BE AS FOLLOWS:
   (i) ALL SUBSTRUCTURES – 50mm
   (ii) COLUMNS – 40mm
   (iii) BEAMS – 25mm
   (iv) SLABS – 20mm
   (v) B. R. C MESH 25mm FROM TOP OF SLAB
7. REINFORCEMENT CUT, BENT AND SCHEDULED TO B.S. 4466.
   REINFORCEMENT DESIGNATED AS 5T10–01–200B1 MEANS
   5No. RIBBED 10mm DIAMETER BARS DESIGNATED
   BAR MARK 01 PLACED AT 200MM CENTERS AS FIRST BOTTOM LAYER
8. ALL LOAD BEARING WALLS TO BE MINIMUM 200mm THICK NATURAL STONE
9. ALL WALLS TO BE REINFORCED WITH GAUGE 20X25mm WIDE HOOP IRON STRAPS AT EVERY ALTERNATE COURSE

STRUCTURAL STEEL

10 ALL WELDS TO BE FREE FROM SLAG SPUTTER AND IN RUNS OF 6mm LEG LENGTH
11 ALL STRUCTURAL STEEL TO BE PAINTED WITH TWO COATS OF ZINC CHROMATE PRIMER,ONE AFTER FABRICATION AND ONE AFTER ERECTION
12 ALL BOLTS TO BE GRADE 8.8 BOLTS TO B.S 4190, COMPLETE WITH NUTS
13 MINIMUM BOLT EDGE DISTANCE – 1.75x ø, MINIMUM BOLT CENTERS – 2.5 x ø

NAIROBI CITY COUNTY
BUILDING SERVICES DEPT.
P.O BOX 30075, NAIROBI

Client : EDUCATION

Project Title :

Director : ARCH. M. O JONYO
B.Arch. Reg. Arch, M.A.A.K

Drg Title:

Checked: G.M | Des/Drn: M.G

Scale : 1:20,1:50 | Date : JAN 2025

File Nos : | Drg.No : TM/JG04