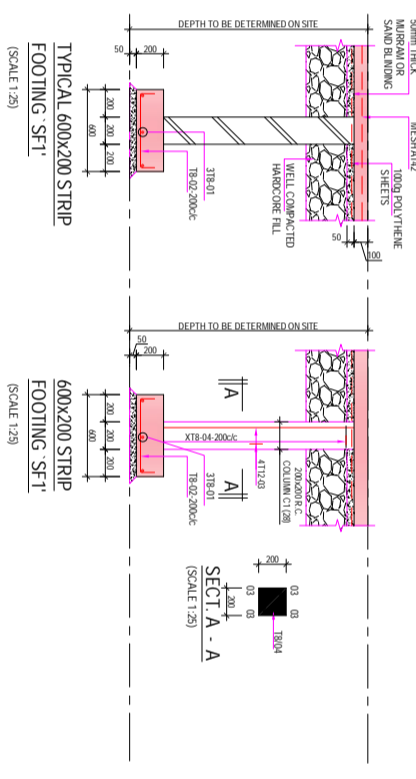


FOUNDATION LAYOUT  
(SCALE 1:50)



**General Notes**

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS AND ANY DISCREPANCY REFERRED TO THE ENGINEER.
- ALL DIMENSIONS ARE IN MILLIMETRES.
- DO NOT SCALE THIS DRAWING. USE INDICATED DIMENSIONS ONLY BE AS FOLLOWS:-
- UNLESS OTHERWISE STATED CONCRETE MIX SHALL BE AS FOLLOWS:-
  - A. BUILDING CLASS 15 (1:3.4 NOMINAL MIX)
  - B. ALL OTHER CONCRETE CLASS 25 (1:1.5:3 NOMINAL MIX)
- UNLESS OTHERWISE SHOWN CONCRETE COVERS TO MAIN REINFORCEMENTS SHALL BE AS FOLLOWS:-
  - A. FOUNDATIONS & BASES . . . 50mm
  - B. COLUMNS . . . 40mm
  - C. STAIRCASE . . . 20mm
- MAXIMUM TOLERANCE TO CONCRETE COVERS IS +5mm
- ALL REINFORCEMENT BARS TO BE IN ACCORDANCE WITH B.S. 4449 AND MESH FABRIC TO BE MADE FROM COLD WORKED STEEL BARS IN ACCORDANCE WITH B.S. 4483
- SAFE BEARING CAPACITY IS TAKEN AS 150kN/m<sup>2</sup> i.e. SUB. SOIL IS TAKEN AS MUDBRAM
- FOUNDATION DEPTHS TO BE FIXED BY THE ENGINEER AND SHALL NOT BE BLUNDED BEFORE HIS APPROVAL
- LAPS TO ALL BARS TO BE 50 X DIAMETER OF THE BAR
- ALL REINFORCEMENT BARS TO BE CUT ON SITE AFTER CONFIRMING THE DIMENSIONS AND ANY DIFFICULTY REFERRED TO THE ENGINEER
- ALL PLACEMENTS TO BE INSPECTED BY THE ENGINEER AND SHALL NOT BE CONCRETED BEFORE HIS APPROVAL
- THE ENGINEER WILL ISSUE BAR BENDING SCHEDULES IN ACCORDANCE WITH B.S. 4446 AND SHALL BE CHECKED BY THE CONTRACTOR AGAINST DRAWINGS BEFORE CUTTING OR BENDING AND ANY DISCREPANCY TO BE REFERRED TO THE ENGINEER IMMEDIATELY FOR CLARIFICATIONS.
- ALL TIMBER TO BE WELL SEASONED COVERSS OR PODO TO CONFORM TO MINISTRY OF ROADS AND PUBLIC WORKS STANDARD OF GRADE 2 TIMBER FOR DRY EXPOSURE CONDITIONS
- ALL TIMBER MUST BE TREATED WITH ANTI-TERMITE/ANTI-FUNGAL CHEMICAL REQUIREMENTS e.g. COPPER CHROME ARSENIC
- MILD STEEL PLATE TO CONFORM TO THE REQUIREMENTS OF B.S. 950 GRADE 43 STEEL
- YIELD STRESS = 235N/mm<sup>2</sup>

**Revisions**

No.	DATE	REMARKS

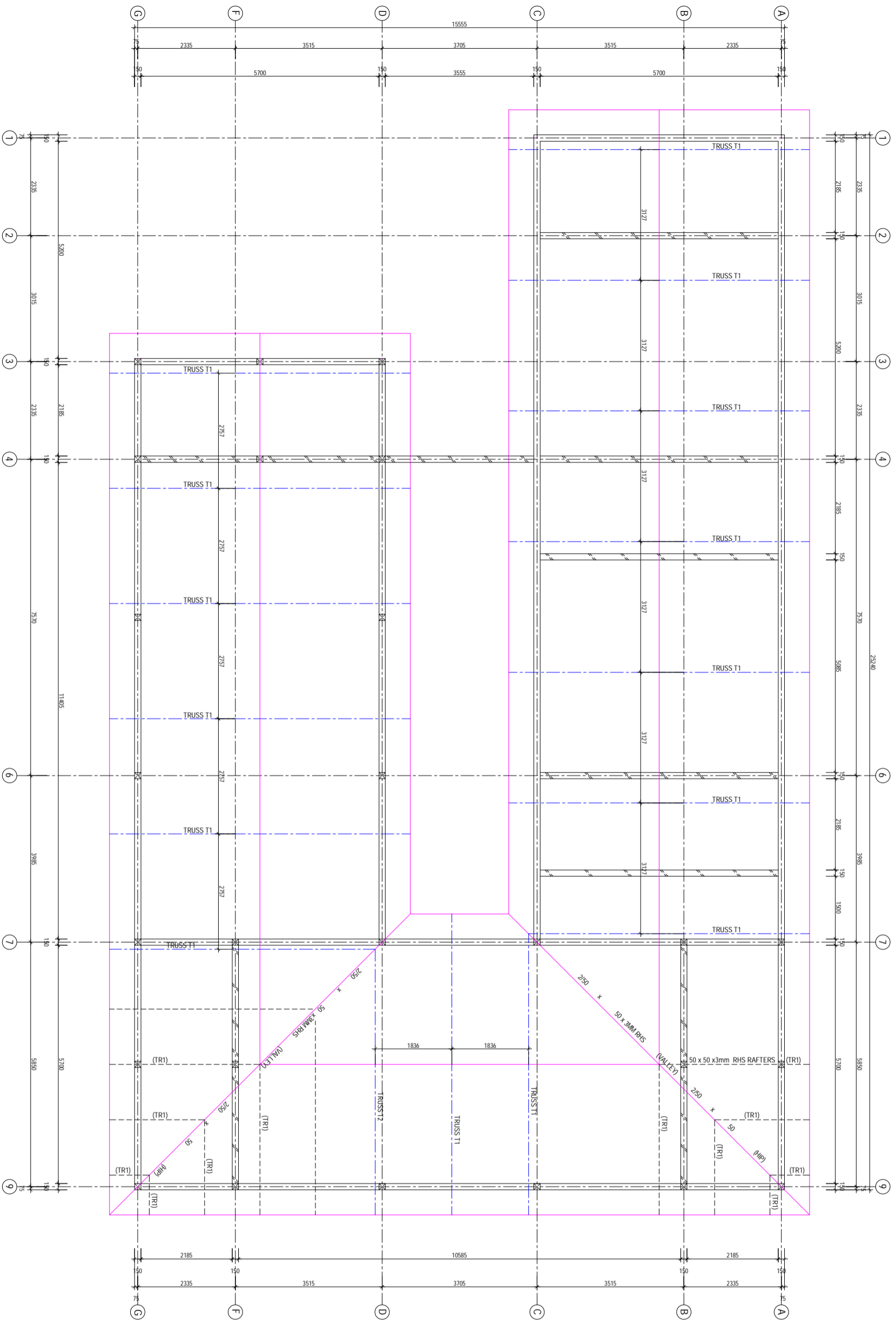
**Project**  
UPGRADING OF CLASSROOM AND LABORATORY BLOCK FOR FISHERIES DEPARTMENT AT RIAT INSTITUTE KISUMU COUNTY

**Client**  
AQUACULTURE BUSINESS DEVELOPMENT PROGRAM

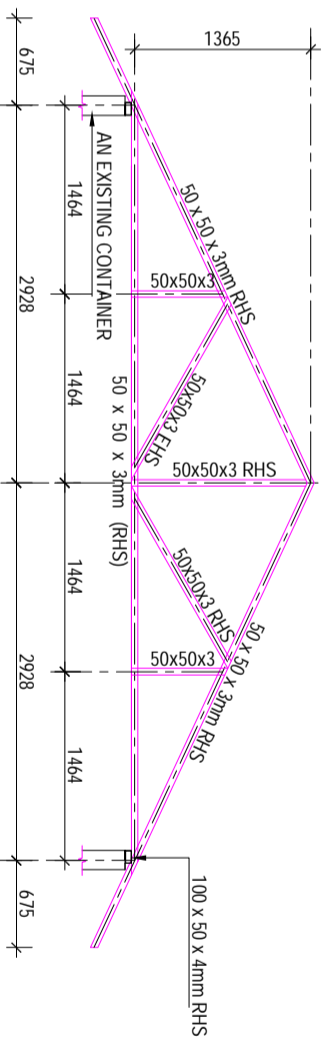
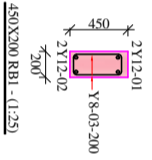
**Title**  
FOUNDATION LAYOUT AND COLUMNS R.C. DETAILS

Structural Engineers  
**BUILDING AND CIVIL ENGINEERING DEPARTMENT RIAT**

Date: NOVEMBER 2021



ROOF LAYOUT  
(SCALE 1 : 50)



Revisions	
No.	DATE

REMARKS

**Project**  
UPGRADING OF CLASSROOM AND LABORATORY BLOCK FOR FISHERIES DEPARTMENT AT RIAT INSTITUTE KISUMU COUNTY

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**Title**  
ROOF LAYOUT

Structural Engineers  
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Date: NOVEMBER 2021