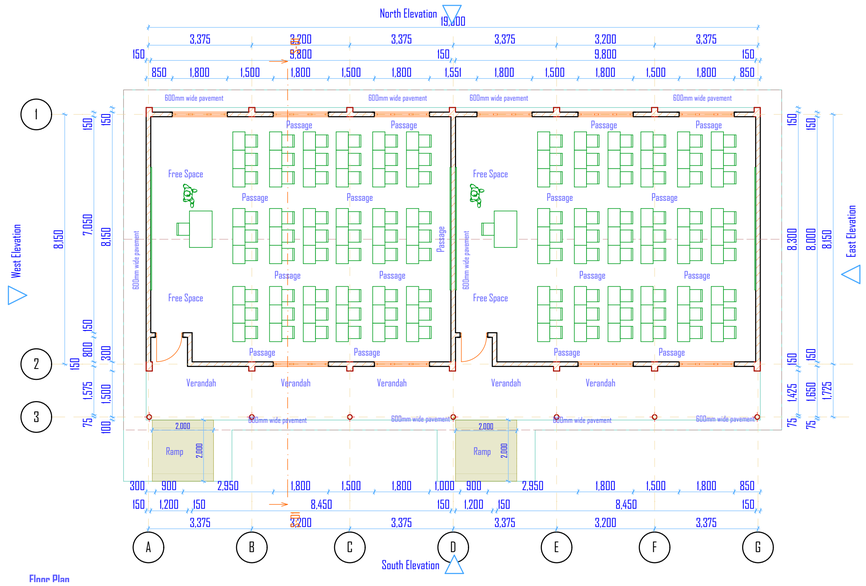
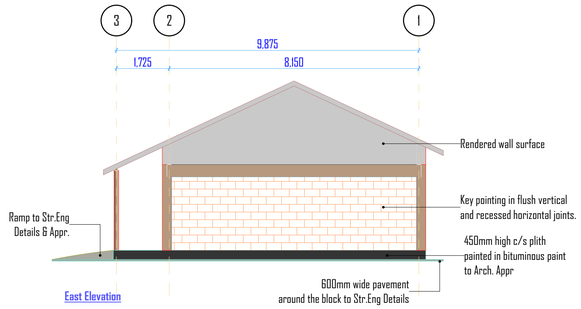
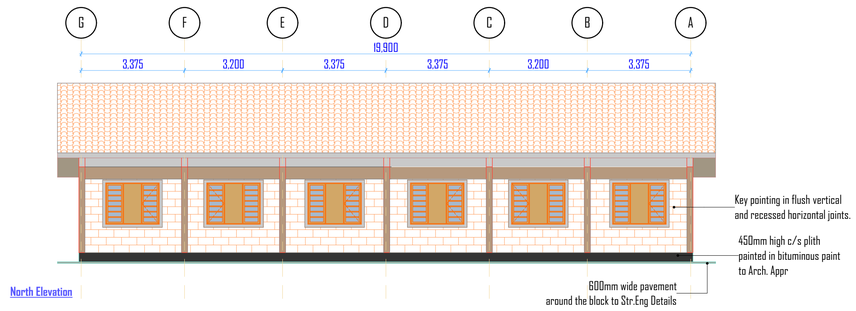


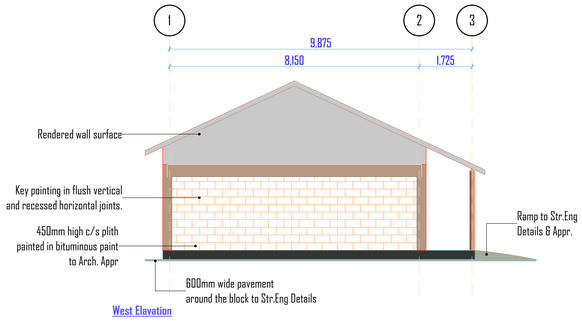
Floor Plan



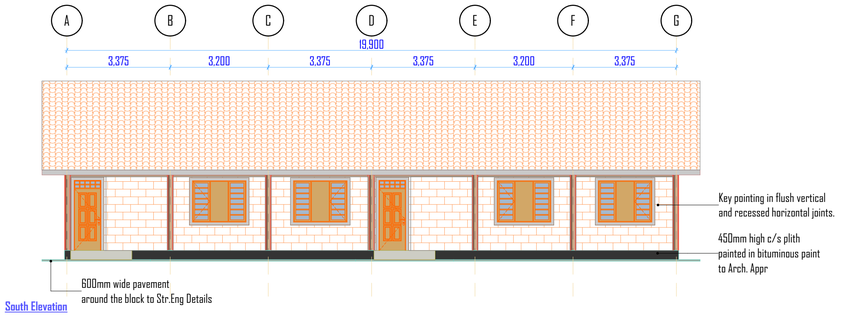
East Elevation



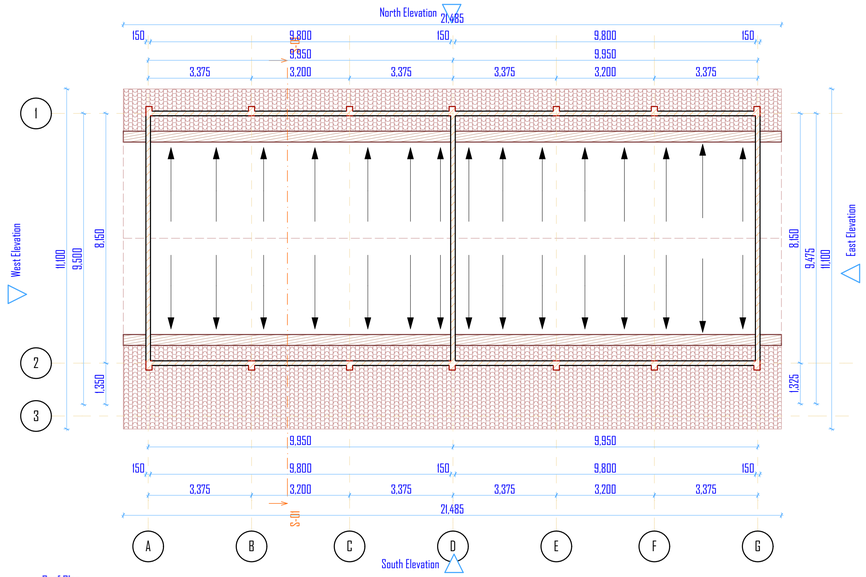
North Elevation



West Elevation



South Elevation

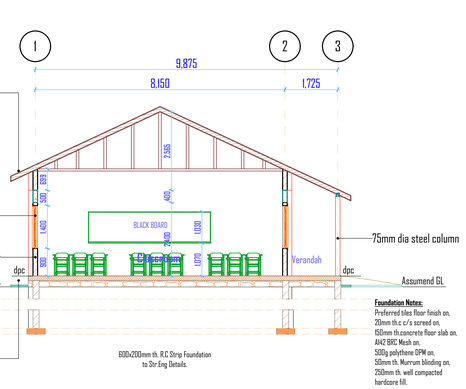


Roof Plan

All Openings Schedule						
Full Element ID	D01 - D01	WD - D01	WD - D02	WD - D03	WD - D04	WD - D05
Opening Name	Door with Transom 19	Triple Window 19	Triple Window 19	Triple Window 19	Triple Window 19	Triple Window 19
Quantity	2	2	2	2	2	2
Zone Number						
W x H Size	900x2.300	1.800x1.400	1.800x1.400	1.800x1.400	1.800x1.400	1.800x1.400
Orientation	L					
Sill height	0	900	900	900	900	900
Head height	2.300	2.300	2.300	2.300	2.300	2.300
2D Symbol						
View from Side Opposite to D...						

Roofing Notes

Roof pitch= 30 Degrees.
28g ITS Roofing sheets Colour to Client's Appr. On.
50 x 50mm timber battens On.
100 x 50mm Purlins On.
Trusses assembled from 100x50mm Rafters, 100x50mm struts & ties 150x50mm tie beams on, 100x50mm wallplate anchored to Ringbeam..
1800x1400mm timber windows to Str.Eng Appr.
200mm th. Medium dressed Natural Stone wall plastered $ paintedinternally to Arch.Appr
450mm high c/s plith painted in bituminous paint to Arch. Appr



Section A-A

Foundation Notes:
Preferred tiles floor finish on.
20mm th.c.c/s screed on.
150mm th.concrete floor slab on.
A142 BRC Mesh on.
500g polythene DPM on.
50mm th. Murrum blinding on.
250mm th. well compacted hardcore fill.

NOTES

GENERAL

1. All dimensions in mm
2.No scaling of drawing. Contractor to check all dimensions and setting out and confirm with architect and or engineer as necessary.
3. Any discrepancy should be notified immediately to the designer and clarified by consulting the respective consultants' drawings.
4. Permanent vents (pv) to be provided to all windows and doors except wc doors.

STRUCTURAL

9. All RC works to be in accordance to engineer's detail.

MECHANICAL

11. All plumbing and drainage to comply with MoPW's specification.
12. All service ducts to be accessible from all floors.
14. Deep seal or anti-vac to all fittings connected to the SVP's or waste pipes.
15. All bends and junctions to have inspection plates.
16.Drain pipes passing beneath buildings and driveways to be encased in 150mm concert surround
17.All underground foul and waste drain pipes shall be cast iron to comply to BBS41514 and 5225.

ELECTRICAL

26.All Electrical works must be co-odinated with mechanical works.
27. Any conflicts must be clarified before work

Revision History

RevID	ChID	Change Name	Date

Project Name:

CONSTRUCTION OF TWO CLASSROOM

LAMU COUNTY
LAMU WEST CONSTITUENCY

Client:

NATIONAL GOVERNMENT CONSTITUENCY DEVELOPMENT FUND

LAMU WEST CONSTITUENCY

P.O BOX 277-80500, LAMU

Drawing Title:

FLOOR PLAN,
ROOF PLAN,
NORTH ELEVATION,
SOUTH ELEVATION,
EAST ELEVATION,
WEST ELEVATION,
OPENING SCHEDULE &
SECTION A-A

Approved By

COUNTY WORKS OFFICER-LAMU COUNTY

FOR THE GOVERNMENT OF THE REPUBLIC OF KENYA

Drawn No; Arch/Drg-TWO CLASSROOMS-02/2026

Date; 02/2025

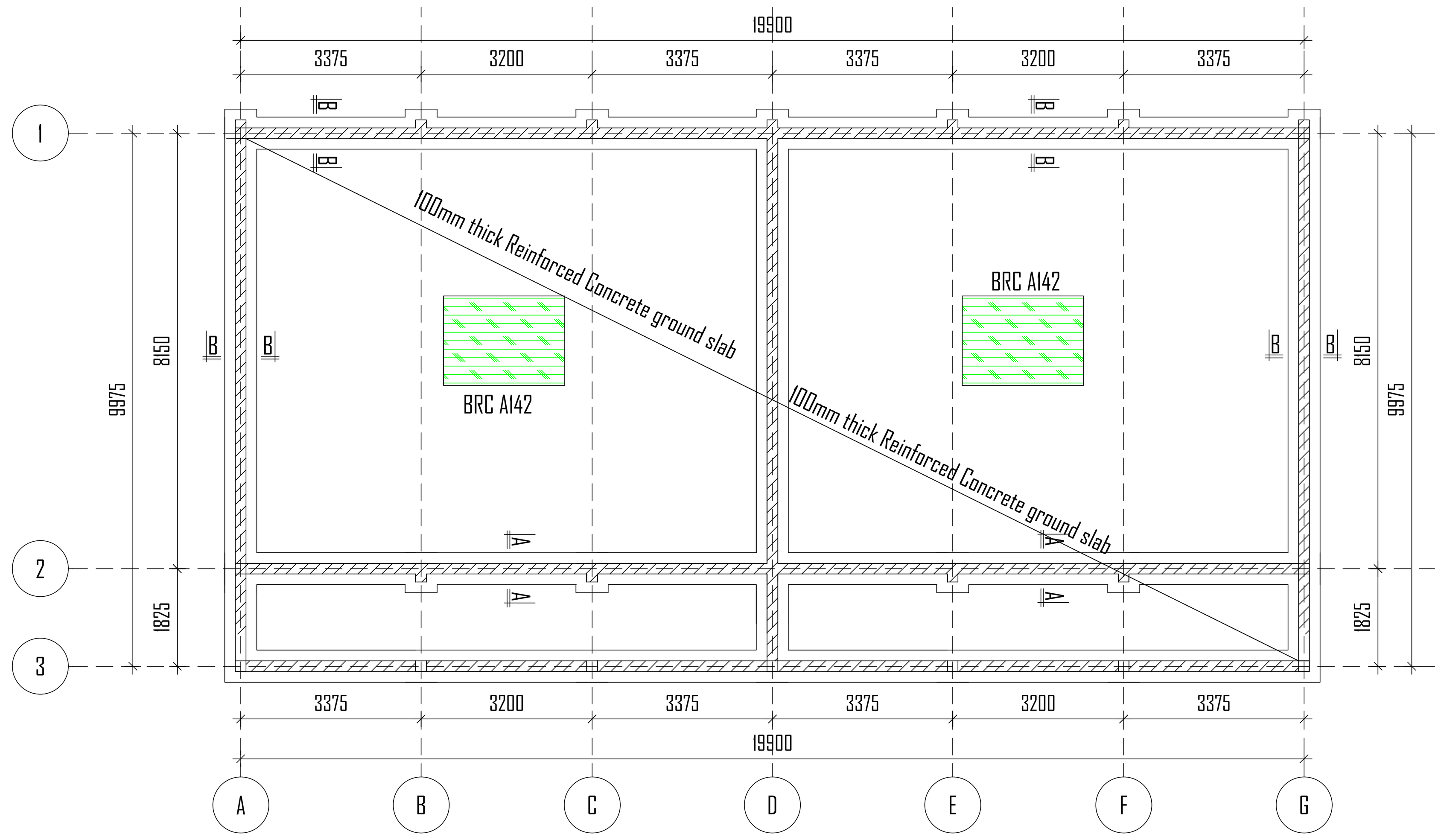
Drawing scale; As Shown

	NAME	SIGN	DATE
DRAWN	JOSEPH NDEGE.N		MAY-2025
DRAWN	JOSEPH NDEGE.N		MAY-2025
CHECKED BY	ENG.GITHUB J.N		MAY-2025

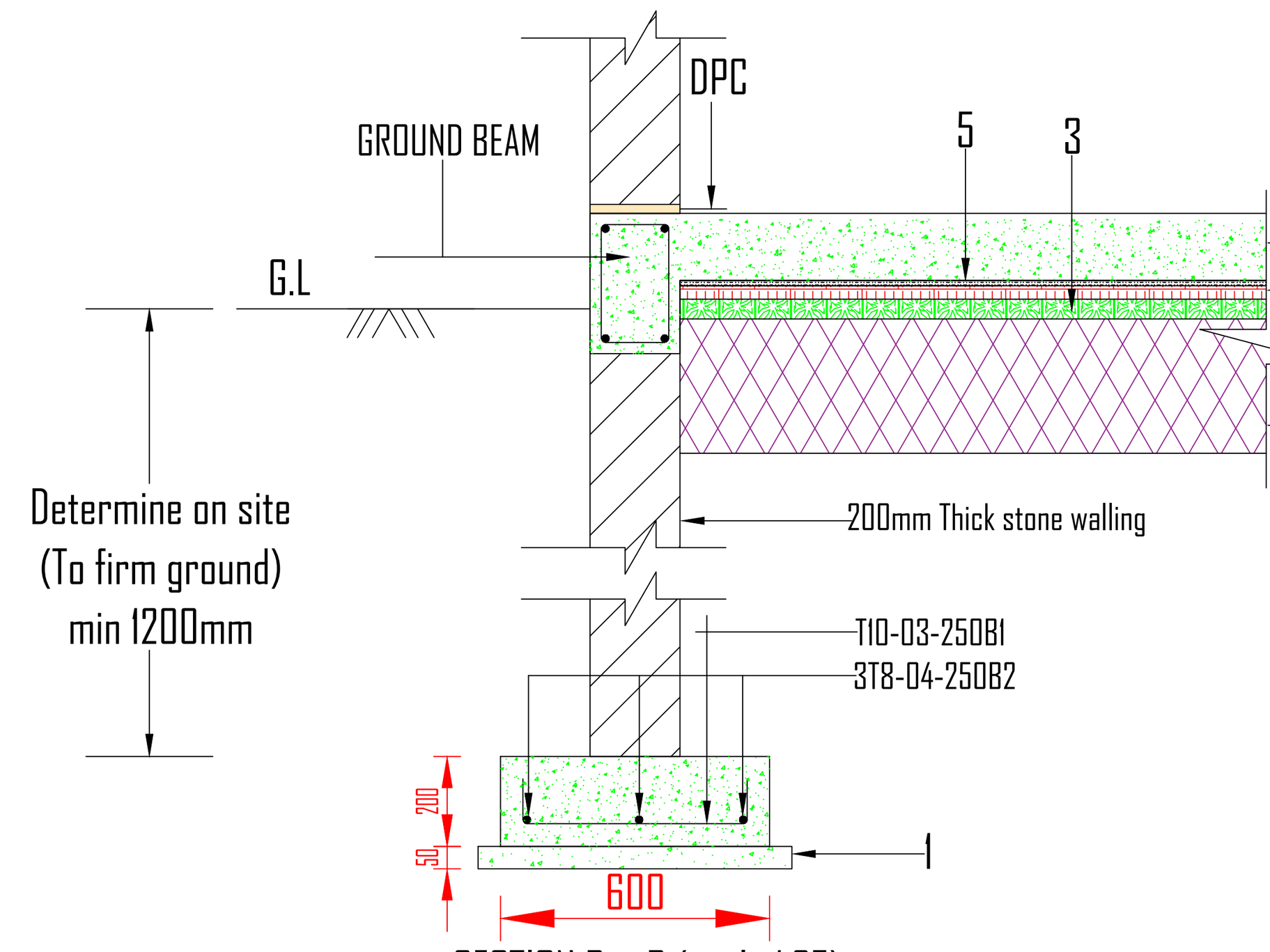
NATIONAL GOVERNMENT -CONSTITUENCIES DEVELOPMENT FUND - LAMU WEST CONSTITUENCY

MINISTRY OF LANDS, PUBLIC WORKS, URBAN DEVELOPMENT

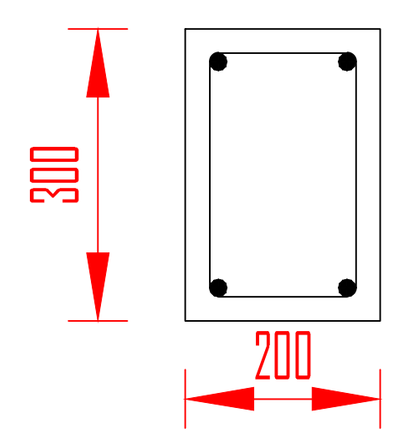
STATE DEPARTMENT OF PUBLIC WORKS



FOUNDATION LAYOUT & RC.C DETAILS



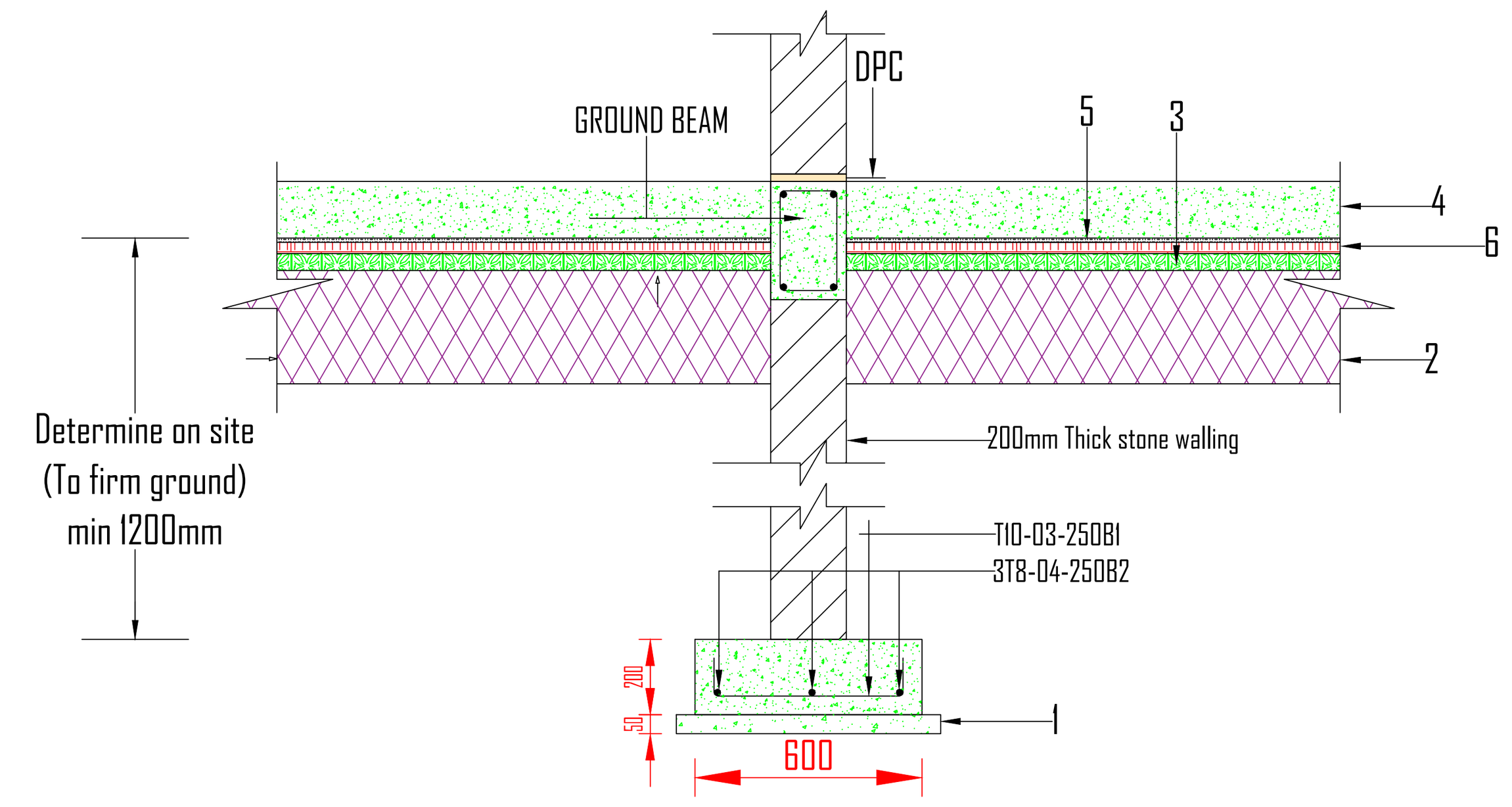
SECTION B---B (scale 1:25)



G.BEAM

KEY TO FOUNDATION SECTION DETAILS

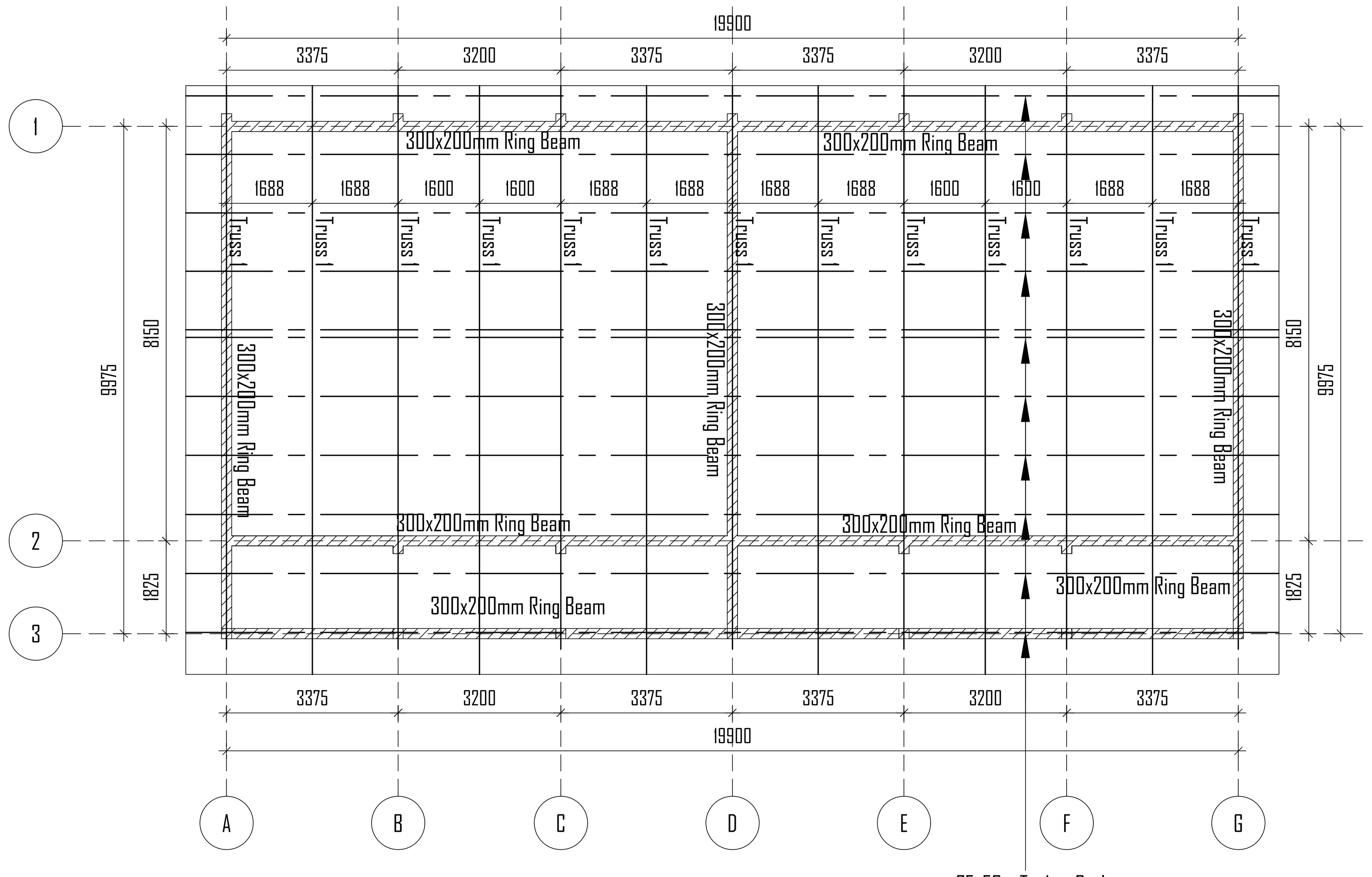
1-Blinding concrete (1:3:6)
2-300mm well compacted approved hardcore (compacted in layers of 100mm)
3-50mm murram blinding
4-100mm thick slab
5-A142 BRC Mesh
6-1000mm gauge damp proof membrane (DPM)



SECTION A---A (scale 1:25)

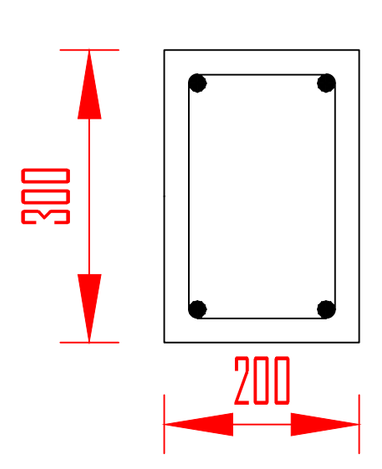
TIMBER ROOF NOTES

1-All timber to be well seasoned grade 2 cypress with an optimum moisture content of 13%-15% to KS-02:1977
2-Sample trusses to be inspected and approved by the engineer before mass fabrication of the others.
Top chord/bottom=150x50mm
internal struts/ties=150x50mm
Rafters /wall plate = 150x50mm
purlins =75x50mm
timber splices=150x25mm
3.Maximum truss spacing to be 1800mm with rafters at 600mm centres. Anchorage bolts, 12mm diameter,300mm long to be provided at intevals of 1000mm
to anchor the wall plate in position.
4.roof pitch to be 22.5^0.

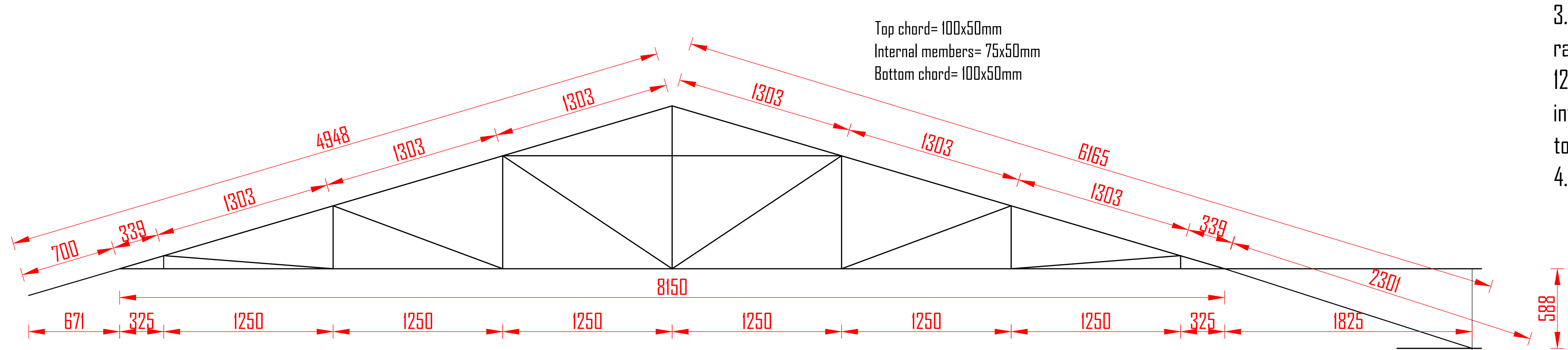


75x50m Timber Purlins
Spaced @ 120mm c/c

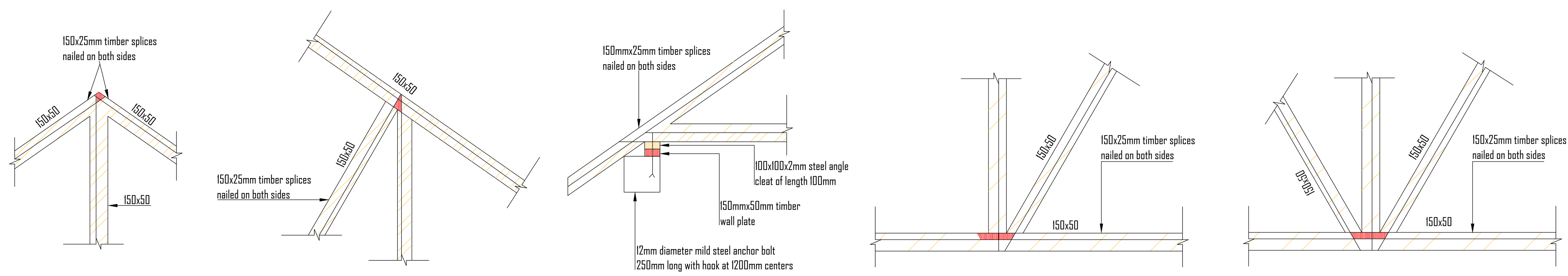
ROOF LAYOUT



R.BEAM



Truss T1 13No.



NOTES

[1] All structural concrete to be class 25/20.

[2] Foundation depth to be determine on site.

[3]Excavation to be inspected before blinding is laid.

[4]Damp proof course (DPC) to be laid under walls.

[5]Hardcore to be hand packed and compacted to engineers satisfaction.

[6]All reinforcement must be inspected by structural engineer before casting concrete.

[7]Strip foundation to structural engineers specs.

[8]This drawing to be read in conjunction with any relevant architectural,civil, structural or any other drawings.

[9]Concrete covers to reinforcement steel to be as follows;
(a)Foundation 50mm
(b)Columns 30mm
(c)Beams 25mm
(d)Slabs 15mm

[10]High yield ribbed bars to KS:ISO6935-2 are denoted "T"

[11] Mild steel reinforcement bars to BS4449 are denoted "R"

[12]Any errors, discrepancies or omissions are to be reported to engineer immediately for correction before work is undertaken.

[13]Assumed bearing capacity =100KN/M^2

[14]The contractor must confirm the dimensions on site before commencing of any work.

[15]Minimum crushing strength of masonry stones or building blocks to be 7N/MM^2.

[16]All black cotton soil shall be removed during excavation of foundation.

[17]Minimum lap length of all reinforcement bars shall be 50 x bar diameter.

Rev ID	Ch. ID	Change Name	Date

Project Name

CONSTRUCTION OF TWO CLASSROOMS

LAMU COUNTY
LAMU WEST CONSTITUENCY

Client:

NATIONAL GOVERNMENT CONSTITUENCY DEVELOPMENT FUND

LAMU WEST CONSTITUENCY

P.O BOX 277-80500, LAMU

Drawing Title;

**FOUNDATION LAYOUT PLAN,
GROUND FLOOR CONSTRUCTION DETAILS
ROOF PLAN,
FOUNDATION SECTIONS,
GROUND BEAM &
RING BEAM SECTION DETAILS, TRUSS AND TRUSS CONNECTION DETAILS**

Designed by;
J.N.N

Drawn by;
J.N.N

Drawing No;
Str/Drg-2classrooms/03/2025

Date;
03/03/2025

Drawing scale
As shown

NG-CDF LAMU WEST