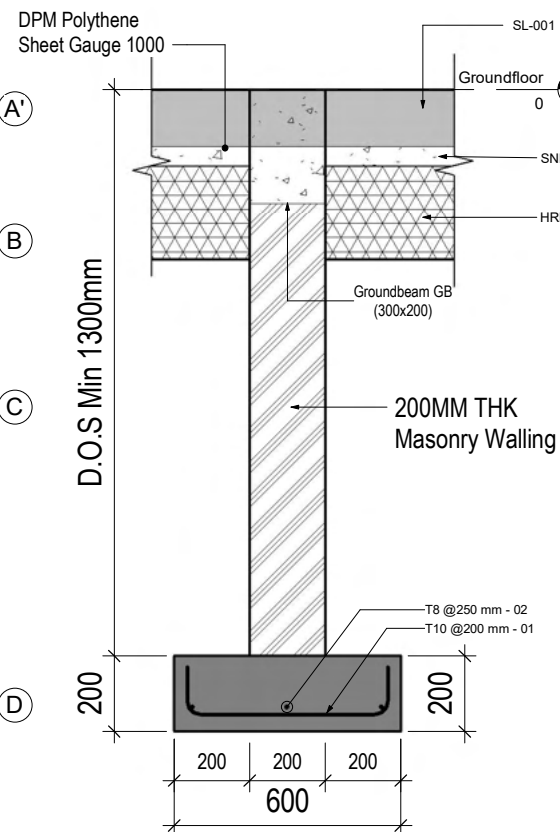
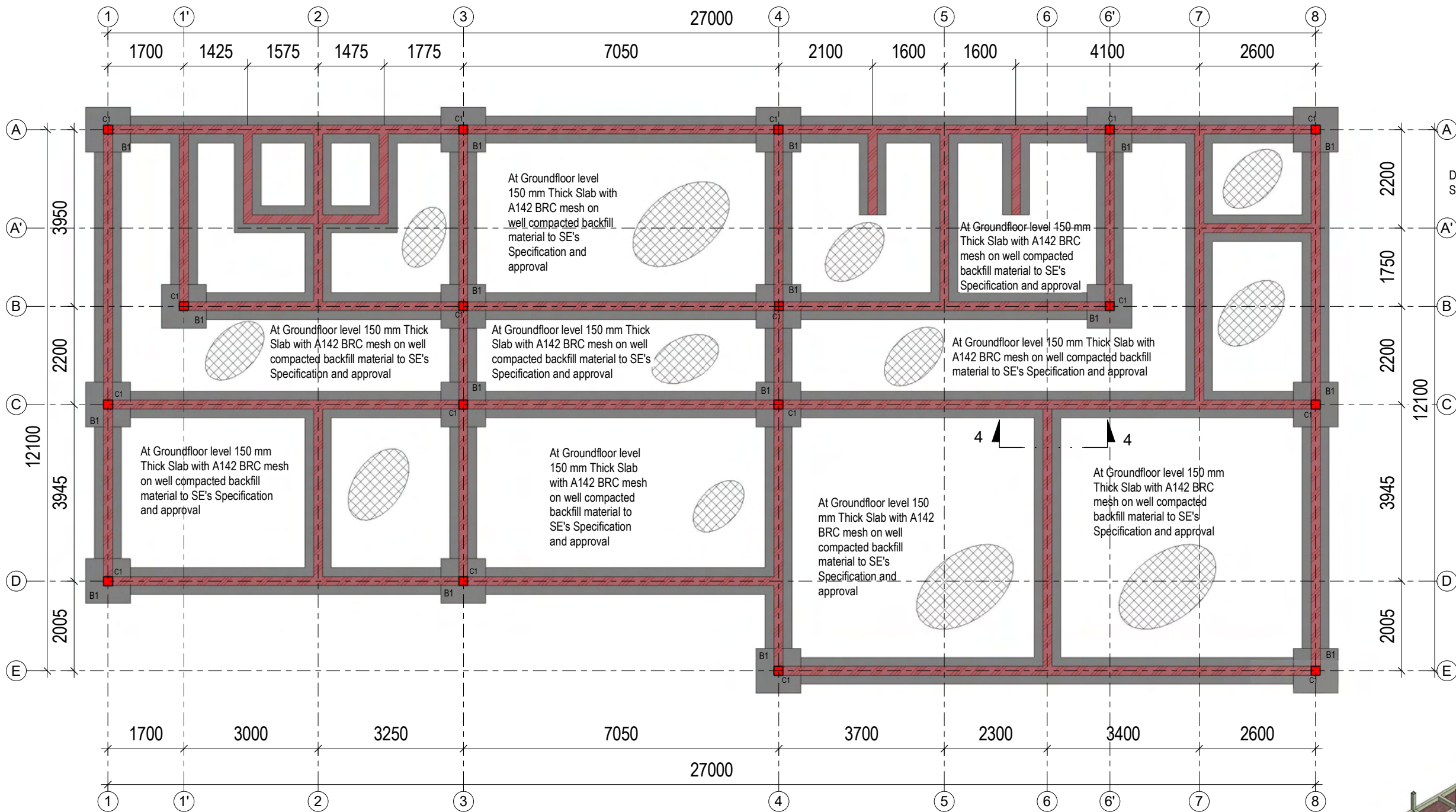
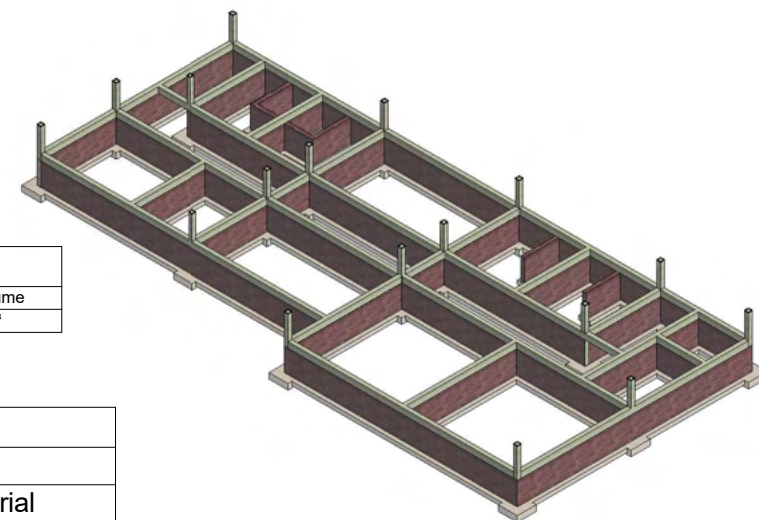




Section 4-4
1 : 10



Structural 3D

GROUNDBEAM SCHEDULE - 1A				
Type Mark	Mark	Count	Description	Volume
Groundbeam	GB	1	(300x200)	1.57 m³
Groundbeam	GB	1	(300x200)	0.58 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	1.60 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	1.40 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	0.36 m³
Groundbeam	GB	1	(300x200)	0.70 m³
Groundbeam	GB	1	(300x200)	0.14 m³
Groundbeam	GB	1	(300x200)	0.35 m³
Groundbeam	GB	1	(300x200)	0.71 m³
Groundbeam	GB	1	(300x200)	0.69 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	0.34 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	0.24 m³
Groundbeam	GB	1	(300x200)	0.86 m³
Grand total: 18				10.67 m³

FOUNDATION LAYOUT

1 : 50

Structural Foundation Schedule - Bases					
Type Mark	Mark	Count	Description	Reinforcement	Volume
BASE	B1	17	1000x1000x300mm Thick Base	T12@250mm	5.10 m³

Structural Column Schedule - 1A			
Mark	Description	Count	Reinforcement
C1	Column 200x200	17	4T12, Links Y8@200

Structural Foundation Schedule - 1A			
Type Mark	Description	Count	Volume
Strip Footing	600x200 mm Strip Footing	22	19.37 m³

Keynote Legend	
Key Value	Keynote Text
HRD-003	250mm Thick Approved Well Compacted Fill Material
SL-001	150mm Thick Slab with A142 BRC Mesh
SND-002	50mm Thick Sand Blinding with 1000 gauge Polythene Membrane

- NOTES:
- All dimensions are in millimetres unless otherwise stated.
 - All Excavations and reinforcement must be checked and approved by project structural engineer prior to concreting.
 - All structural steel be grade 43A.
 - Cover to Main Reinforcement: Foundations 50; Slabs 20, Columns 30; Beams 25; Strip Footing 50;
 - Dimensions to be read and not scaled
 - This drawing to be read in conjunction with Architectural Drawings
 - All reinforced concrete to be Class 25 mix and blinding concrete to be Class 15 mix.

Revisions		
Date	Description	Remarks

Project:
PROPOSED KAKUMA MISSION
HOSPITAL EXTENSION
KAKUMA,
TURKANA COUNTY

Design & Supervising Engineers:



SIMBO CONSULT...
P.O.BOX 43507-00100,
Agwigs Kodhek Road,
NAIROBI.

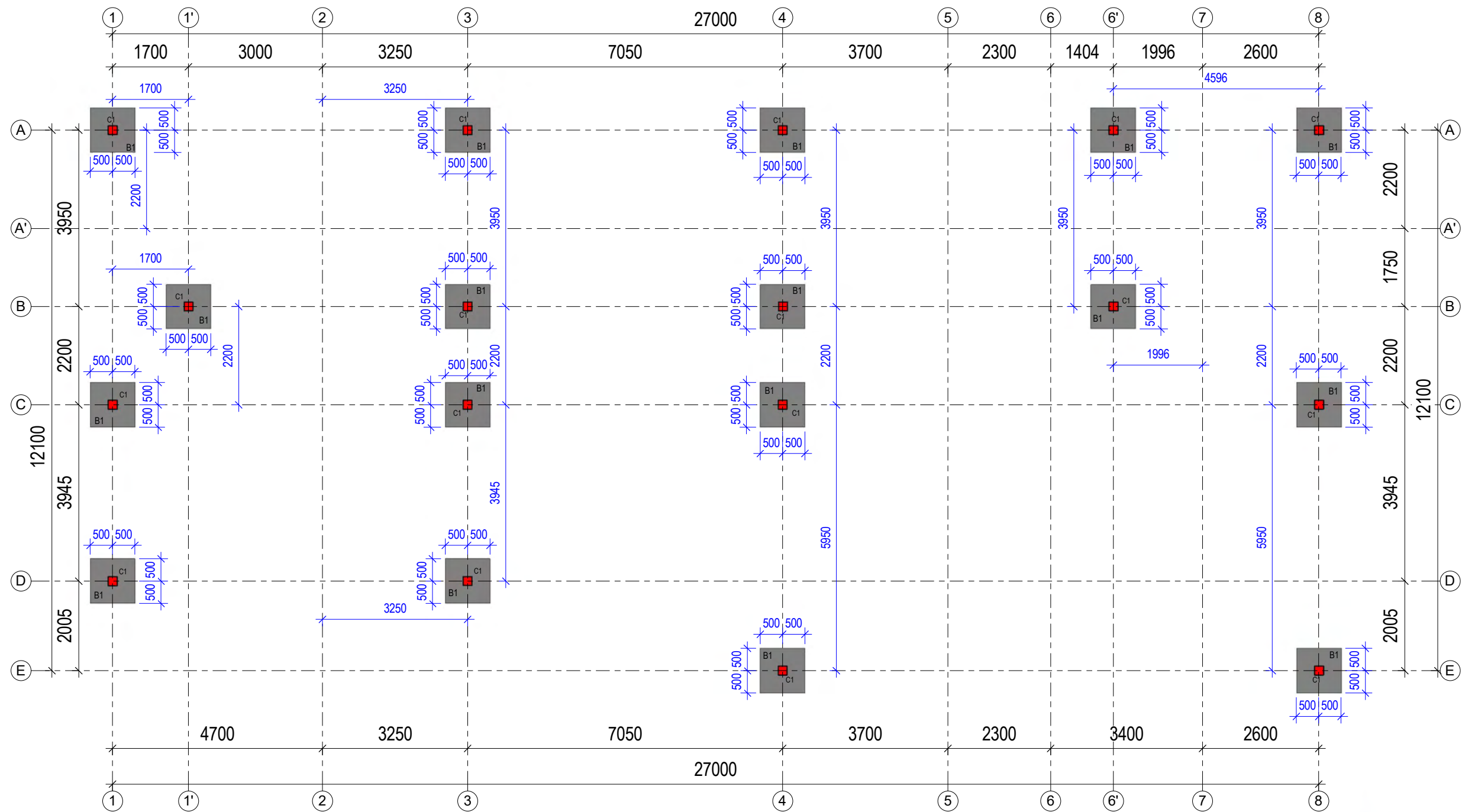
Client:
KAKUMA.M.HOSPITAL

Drawing Title:
FOUNDATION LAYOUT

Designed by: M.M.N
Drawn by: M.M.N
Checked by: J.M.K
Approved by: J.M.K
Date: 5th April 2026

SCH/KH/001/04/26
S.01a

Scale:
As indicated

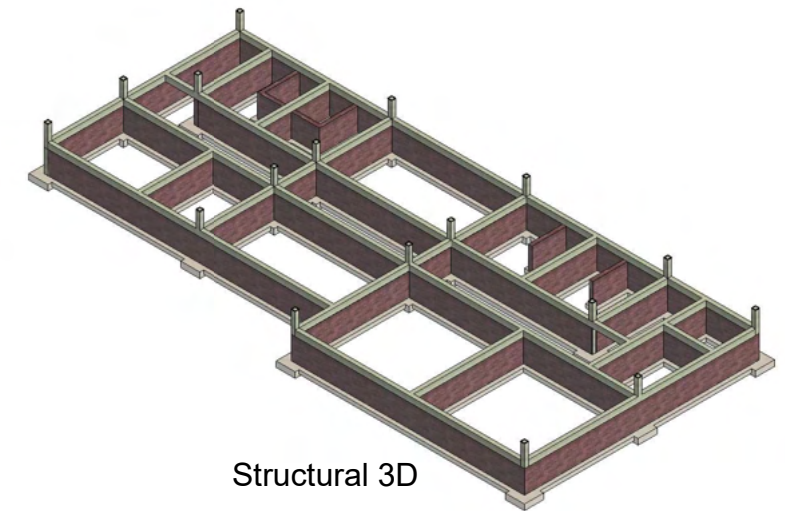


COLUMN SETTING OUT LAYOUT
1 : 50

Structural Foundation Schedule - 1A			
Type Mark	Description	Count	Volume
Strip Footing	600x200 mm Strip Footing	22	19.37 m³

Structural Foundation Schedule - Bases					
Type Mark	Mark	Count	Description	Reinforcement	Volume
BASE	B1	17	1000x1000x300mm Thick Base	T12@250mm	5.10 m³

Keynote Legend	
Key Value	Keynote Text
HRD-003	250mm Thick Approved Well Compacted Fill Material
SL-001	150mm Thick Slab with A142 BRC Mesh
SND-002	50mm Thick Sand Blinding with 1000 gauge Polythene Membrane



Structural 3D

NOTES:

1. All dimensions are in millimetres unless otherwise stated.
2. All Excavations and reinforcement must be checked and approved by project structural engineer prior to concreting.
3. All structural steel be grade 43A.
4. Cover to Main Reinforcement: Foundations 50; Slabs 20, Columns 30; Beams 25; Strip Footing 50;
5. Dimensions to be read and not scaled
6. This drawing to be read in conjunction with Architectural Drawings
7. All reinforced concrete to be Class 25 mix and blinding concrete to be Class 15 mix.

Revisions		
Date	Description	Remarks

Project:
PROPOSED KAKUMA MISSION
HOSPITAL EXTENSION
KAKUMA,
TURKANA COUNTY

Design & Supervising Engineers:



SIMBO CONSULT...
P.O.BOX 43507-00100,
Agwigs Kodhek Road,
NAIROBI.

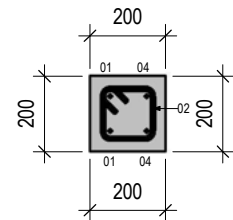
Client:
KAKUMA.M.HOSPITAL

Drawing Title:
BASES AND COLUMN
SETTING OUT LAYOUT

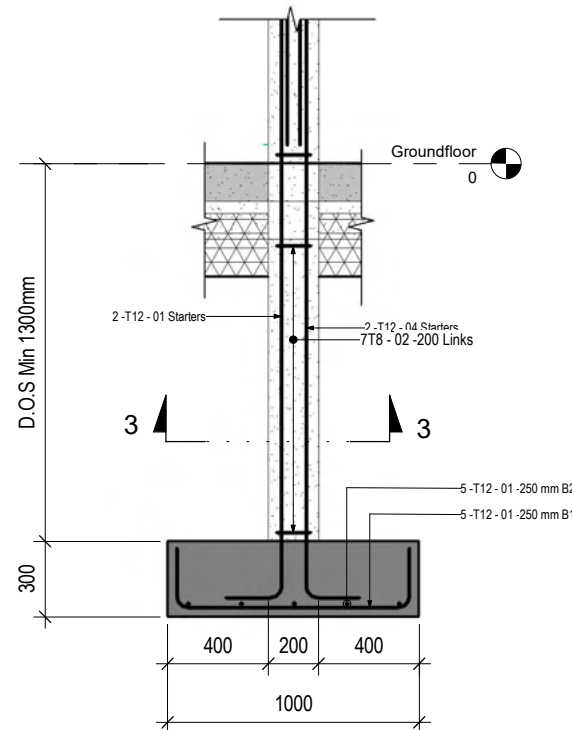
Designed by: M.M.N
Drawn by: M.M.N
Checked by: J.M.K
Approved by: J.M.K
Date: 5th April 2026

SCH/KH/001/04/26
S.01b

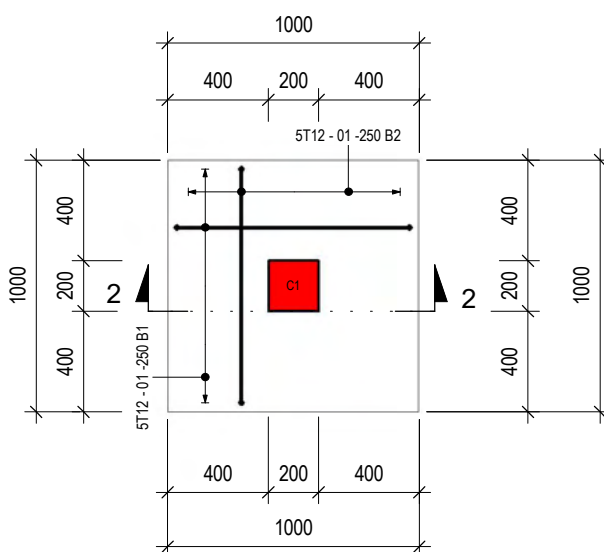
Scale:
1 : 50



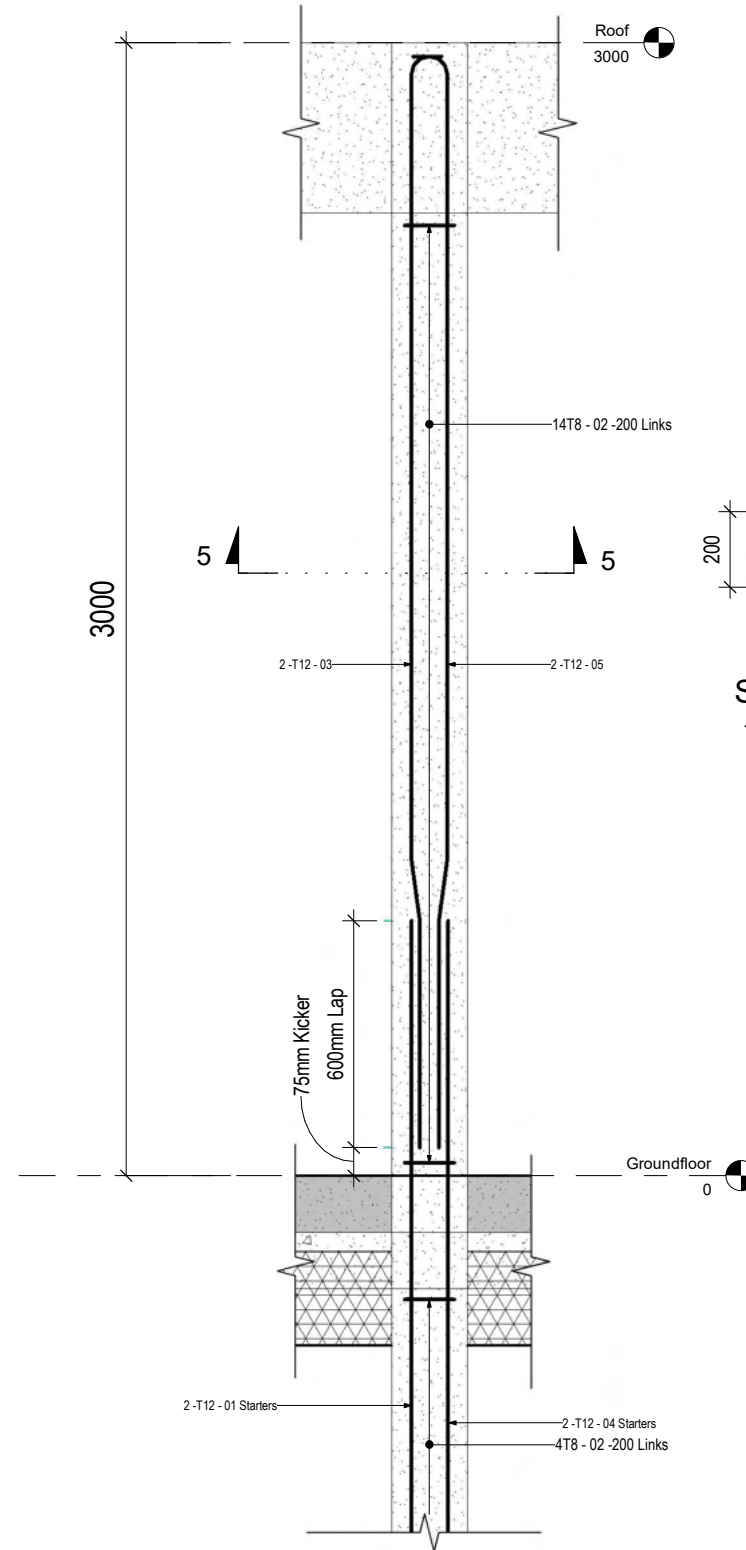
Section 3-3
1 : 10



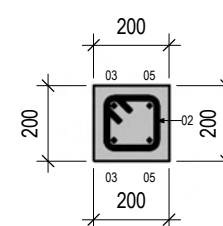
Section 2-2
1 : 15



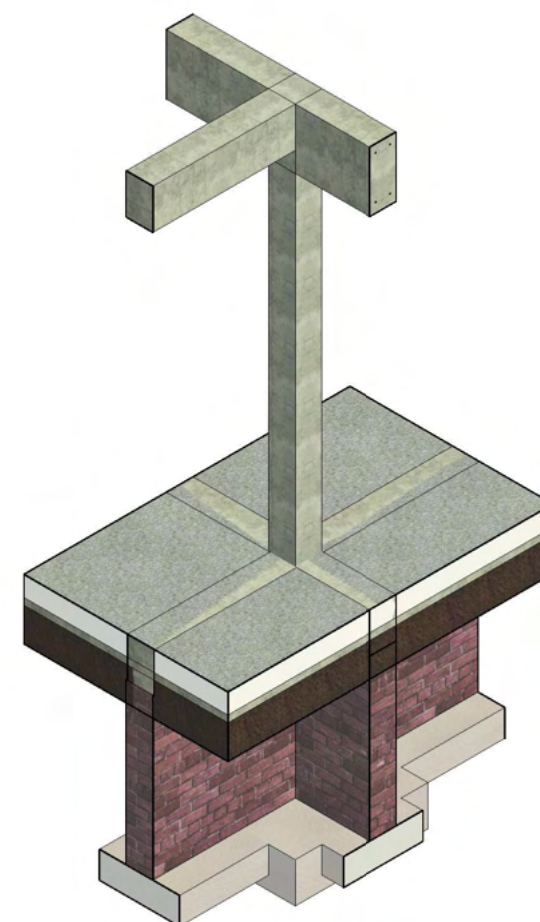
BASE B1 PLANVIEW
1 : 15



COLUMN C1
1 : 10



Section 5-5
1 : 10



Structural 3D

- NOTES:
1. All dimensions are in millimetres unless otherwise stated.
 2. All Excavations and reinforcement must be checked and approved by project structural engineer prior to concreting.
 3. All structural steel be grade 43A.
 4. Cover to Main Reinforcement: Foundations 50; Slabs 20, Columns 30; Beams 25; Strip Footing 50;
 5. Dimensions to be read and not scaled
 6. This drawing to be read in conjunction with Architectural Drawings
 7. All reinforced concrete to be Class 25 mix and blinding concrete to be Class 15 mix.

Revisions		
Date	Description	Remarks

Project:
PROPOSED KAKUMA MISSION
HOSPITAL EXTENSION
KAKUMA,
TURKANA COUNTY

Design & Supervising Engineers:



SIMBO CONSULT...
P.O.BOX 43507-00100,
Agwigs Kodhek Road.
NAIROBI.

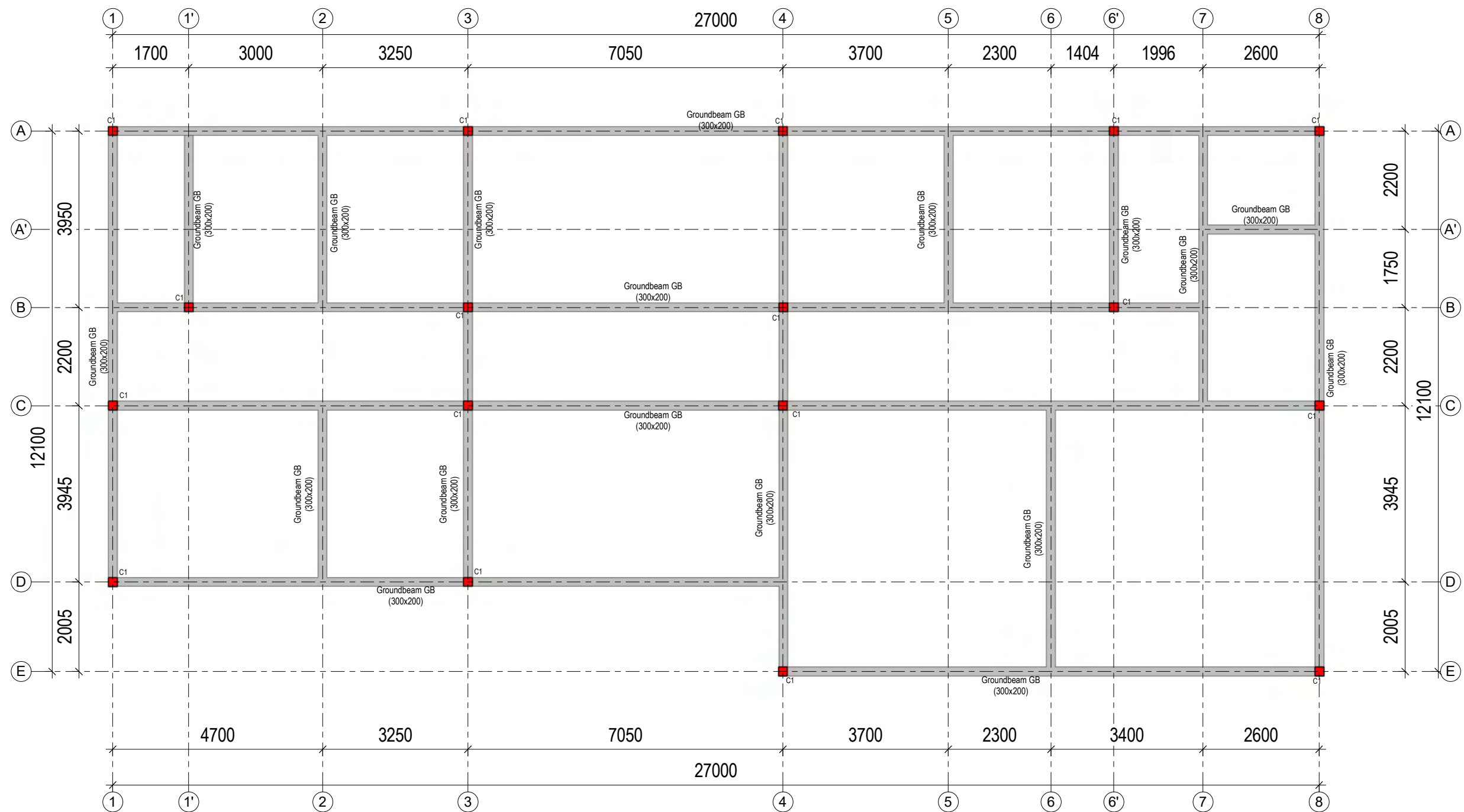
Client:
KAKUMA.M.HOSPITAL

Drawing Title:
BASES AND COLUMNS RC
DETAILS

Designed by: M.M.N
Drawn by: M.M.N
Checked by: J.M.K
Approved by: J.M.K
Date: 5th April 2026

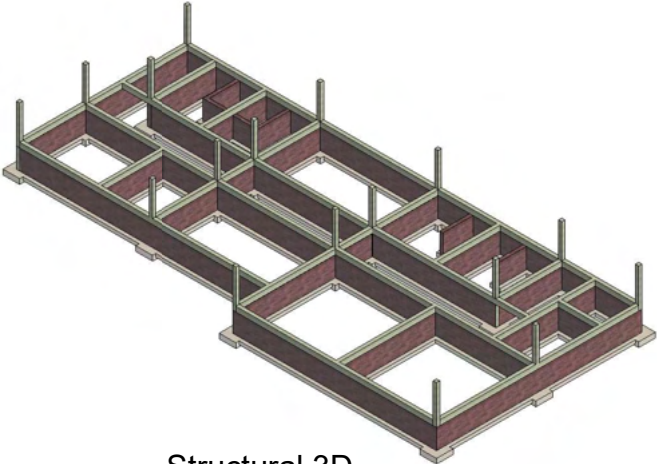
SCH/KH/001/04/26
S.01c

Scale:
As indicated

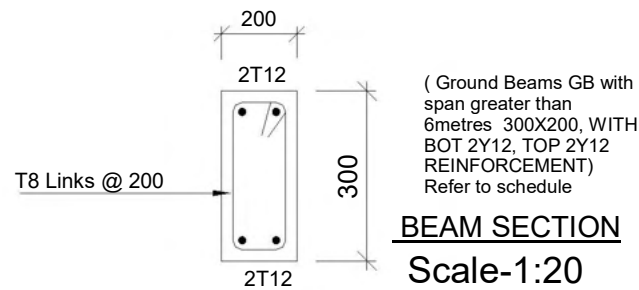


GROUNDBEAM LAYOUT
1 : 50

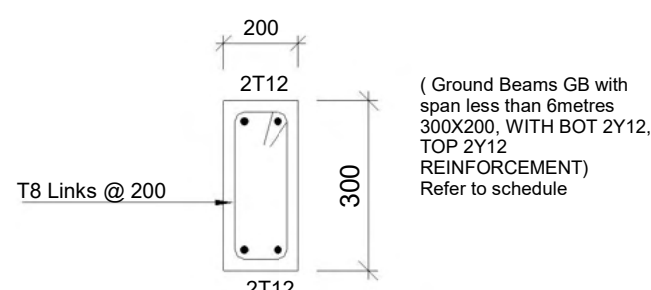
GROUNDBEAM SCHEDULE - 1A				
Type Mark	Mark	Count	Description	Volume
Groundbeam	GB	1	(300x200)	1.57 m³
Groundbeam	GB	1	(300x200)	0.58 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	1.60 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	1.40 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	0.36 m³
Groundbeam	GB	1	(300x200)	0.70 m³
Groundbeam	GB	1	(300x200)	0.14 m³
Groundbeam	GB	1	(300x200)	0.35 m³
Groundbeam	GB	1	(300x200)	0.71 m³
Groundbeam	GB	1	(300x200)	0.69 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	0.34 m³
Groundbeam	GB	1	(300x200)	0.23 m³
Groundbeam	GB	1	(300x200)	0.24 m³
Groundbeam	GB	1	(300x200)	0.86 m³
Grand total: 18				10.67 m³



Structural 3D



BEAM SECTION - Greater than 6m
1 : 10



BEAM SECTION - Less than 6m Span
1 : 10

- NOTES:
- All dimensions are in millimetres unless otherwise stated.
 - All Excavations and reinforcement must be checked and approved by project structural engineer prior to concreting.
 - All structural steel be grade 43A.
 - Cover to Main Reinforcement: Foundations 50; Slabs 20, Columns 30; Beams 25; Strip Footing 50;
 - Dimensions to be read and not scaled
 - This drawing to be read in conjunction with Architectural Drawings
 - All reinforced concrete to be Class 25 mix and blinding concrete to be Class 15 mix.

Revisions		
Date	Description	Remarks

Project
PROPOSED KAKUMA MISSION
HOSPITAL EXTENSION
KAKUMA,
TURKANA COUNTY

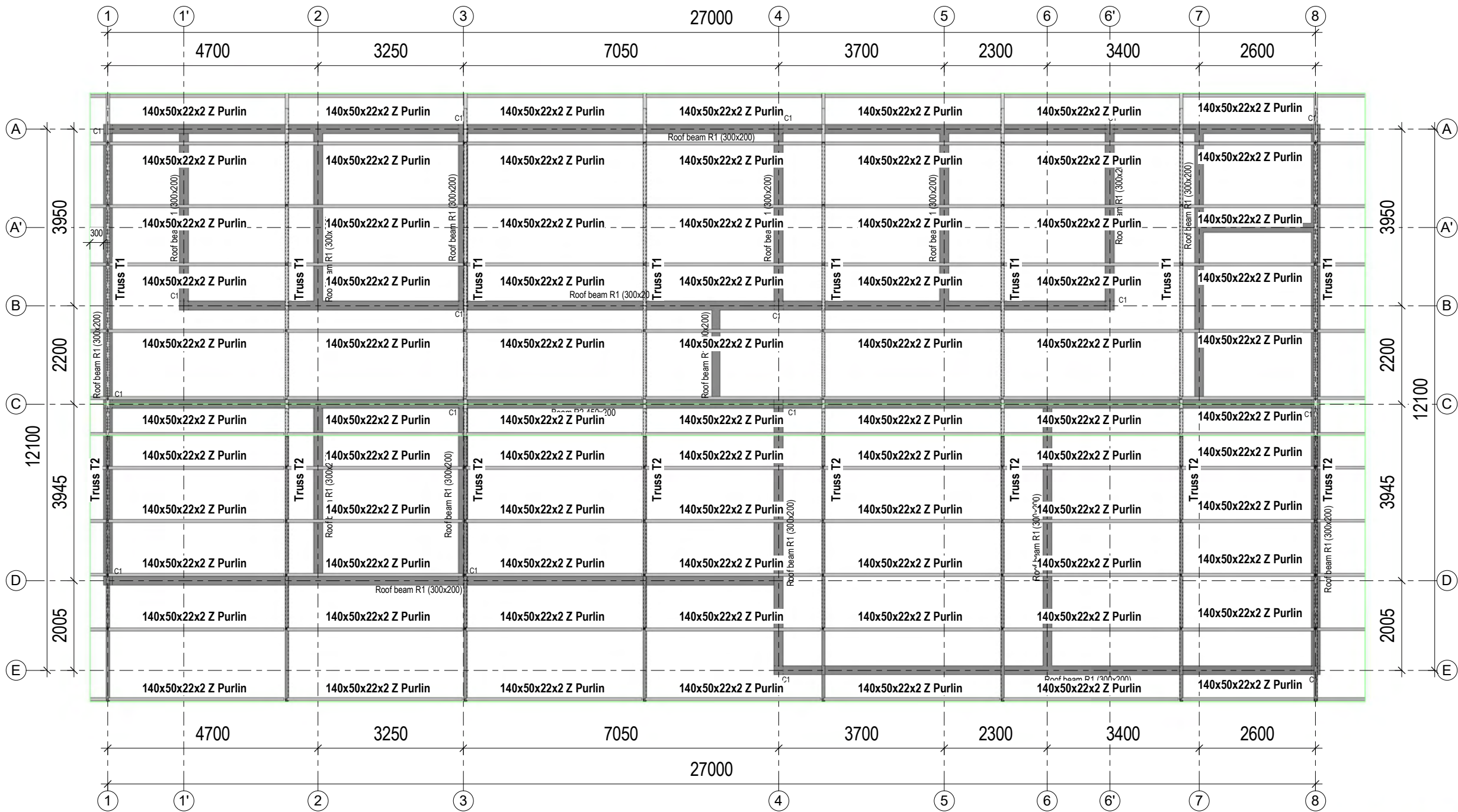


Design & Supervising Engineers:
SIMBO CONSULT...
P.O.BOX 43507-00100,
Agwigs Kodhek Road,
NAIROBI.

Client:
KAKUMA.M.HOSPITAL
Drawing Title:
GROUNDBEAM LAYOUT

Designed by: M.M.N
Drawn by: M.M.N
Checked by: J.M.K
Approved by: J.M.K
Date: 5th April 2026
SCH/KH/001/04/26
S.01d

Scale:
As indicated

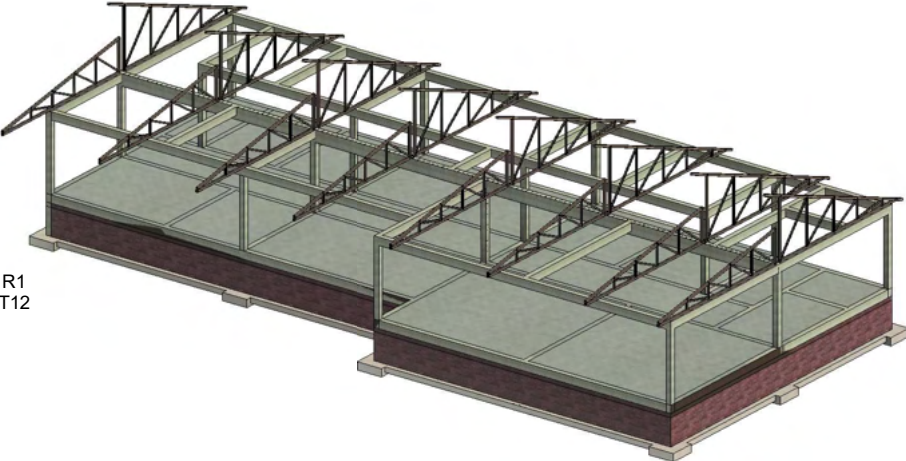
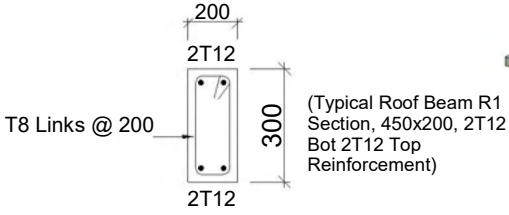


ROOF BEAMS SCHEDULE			
Type Mark	Mark	Description	Volume
Roof beam	R1	(300x200)	1.57 m³
Roof beam	R1	(300x200)	0.58 m³
Roof beam	R1	(300x200)	0.88 m³
Roof beam	R1	(300x200)	0.23 m³
Roof beam	R1	(300x200)	0.23 m³
Roof beam	R1	(300x200)	1.21 m³
Roof beam	R1	(300x200)	0.23 m³
Roof beam	R1	(300x200)	0.36 m³
Roof beam	R1	(300x200)	0.70 m³
Roof beam	R1	(300x200)	0.14 m³
Roof beam	R1	(300x200)	0.35 m³
Roof beam	R1	(300x200)	0.71 m³
Roof beam	R1	(300x200)	0.35 m³
Roof beam	R1	(300x200)	0.12 m³
Roof beam	R1	(300x200)	0.23 m³
Roof beam	R1	(300x200)	0.23 m³
Roof beam	R1	(300x200)	0.22 m³
Roof beam	R1	(300x200)	0.23 m³
Roof beam	R1	(300x200)	0.23 m³
Beam	R2	450x200	2.39 m³

ROOF FLOOR +3000mm TRUSS ARRANGEMENT LAYOUT
1 : 50

ROOF TRUSSES MEMBER SIZES	
External members	SHS75x75x3.5
Internal Members	SHS50x50x3.5

Structural Column Schedule - 1A			
Mark	Description	Count	Reinforcement
C1	Column 200x200	17	4T12, Links Y8@200



NOTES:
1. All dimensions are in millimetres unless otherwise stated.
2. All Excavations and reinforcement must be checked and approved by project structural engineer prior to concreting.
3. All structural steel be grade 43A.
4. Cover to Main Reinforcement: Foundations 50; Slabs 20, Columns 30; Beams 25; Strip Footing 50;
5. Dimensions to be read and not scaled
6. This drawing to be read in conjunction with Architectural Drawings
7. All reinforced concrete to be Class 25 mix and blinding concrete to be Class 15 mix.

Revisions		
Date	Description	Remarks

Project:
PROPOSED KAKUMA MISSION
HOSPITAL EXTENSION
KAKUMA,
TURKANA COUNTY



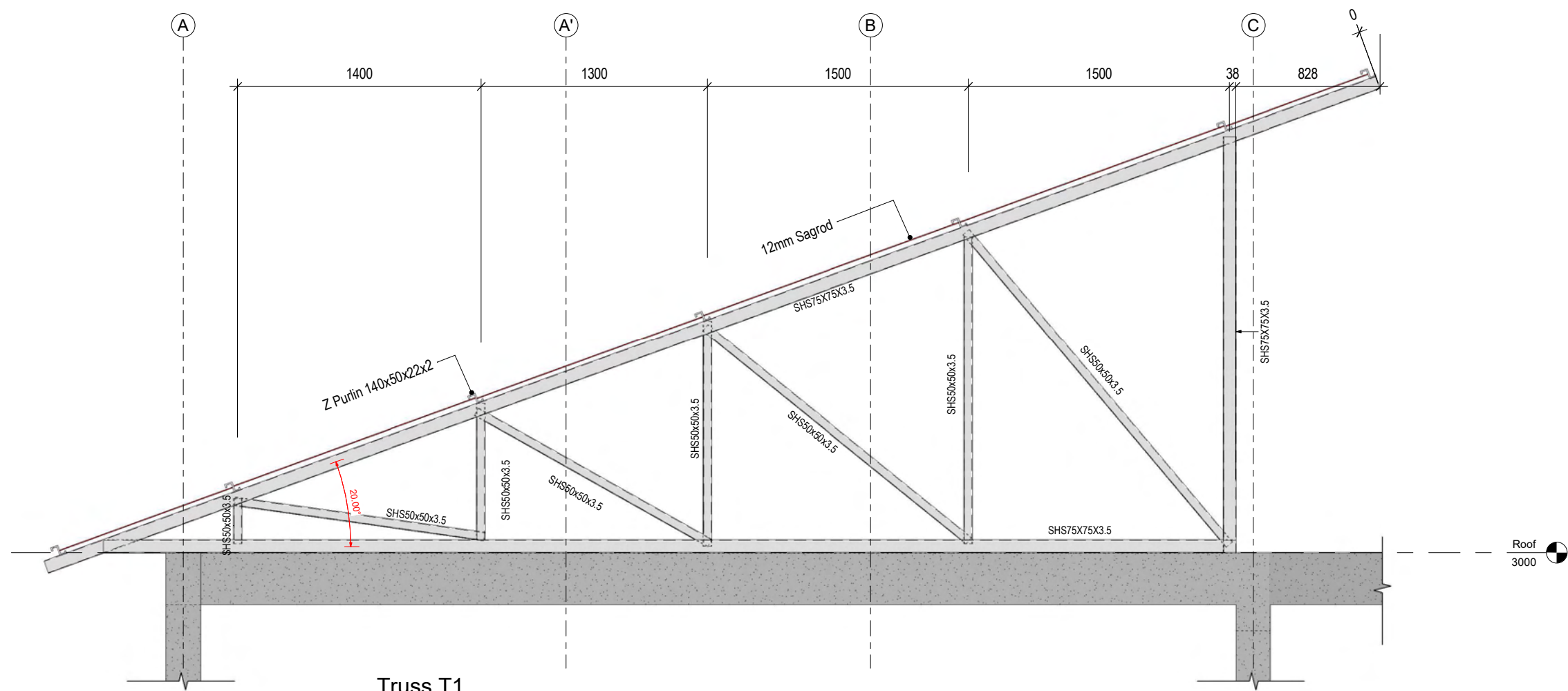
Design & Supervising Engineers:
SIMBO CONSULT...
P.O.BOX 43507-00100,
Agwigs Kodhek Road,
NAIROBI.

Structural 3D

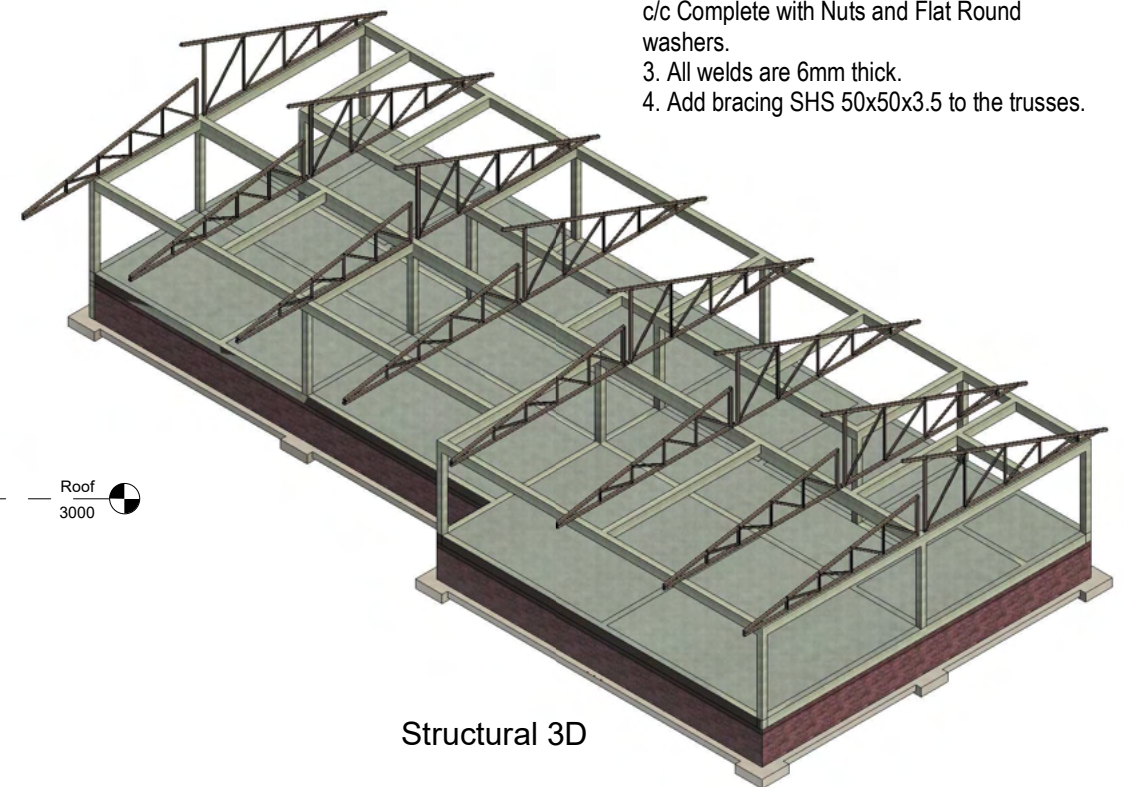
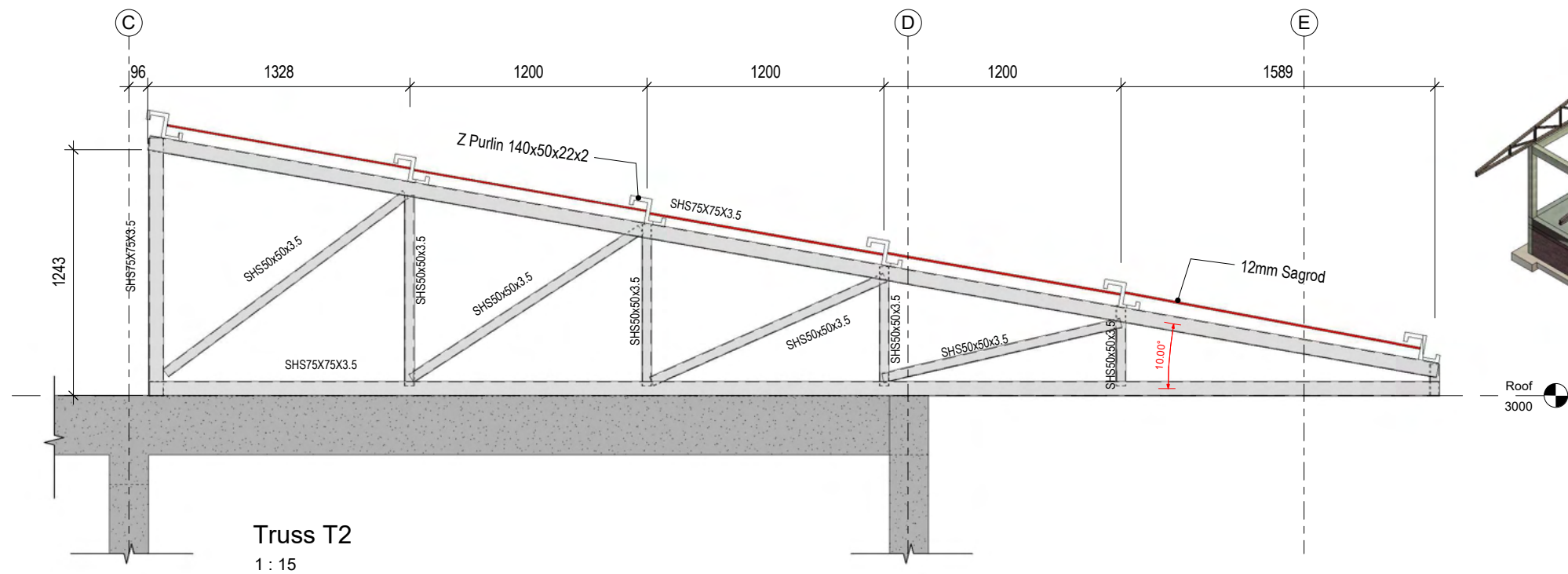
Client:
KAKUMA.M.HOSPITAL
Drawing Title:
ROOF FLOOR +3000mm
TRUSS ARRANGEMENT
LAYOUT

Designed by: M.M.N
Drawn by: M.M.N
Checked by: J.M.K
Approved by: J.M.K
Date: 5th April 2026
SCH/KH/001/04/26
S.02B

Scale:
As indicated



ROOF BEAMS SCHEDULE			
Type Mark	Mark	Description	Volume
Roof beam	R1	(300x200)	1.57 m ³
Roof beam	R1	(300x200)	0.58 m ³
Roof beam	R1	(300x200)	0.88 m ³
Roof beam	R1	(300x200)	0.23 m ³
Roof beam	R1	(300x200)	0.23 m ³
Roof beam	R1	(300x200)	1.21 m ³
Roof beam	R1	(300x200)	0.23 m ³
Roof beam	R1	(300x200)	0.36 m ³
Roof beam	R1	(300x200)	0.70 m ³
Roof beam	R1	(300x200)	0.14 m ³
Roof beam	R1	(300x200)	0.35 m ³
Roof beam	R1	(300x200)	0.71 m ³
Roof beam	R1	(300x200)	0.35 m ³
Roof beam	R1	(300x200)	0.12 m ³
Roof beam	R1	(300x200)	0.23 m ³
Roof beam	R1	(300x200)	0.23 m ³
Roof beam	R1	(300x200)	0.22 m ³
Roof beam	R1	(300x200)	0.23 m ³
Beam	R2	450x200	2.39 m ³



- Connection details**
- 255x182x10mm Thick Plate with 4No. 18mm Dia Holes for 4No. 16mm Dia 250mm Long J Bolts c/w Nuts and washers.
 - 4/16mm Dia J Bolts x 230mm Long 190mm c/c Complete with Nuts and Flat Round washers.
 - All welds are 6mm thick.
 - Add bracing SHS 50x50x3.5 to the trusses.

- NOTES:**
- All dimensions are in millimetres unless otherwise stated.
 - All Excavations and reinforcement must be checked and approved by project structural engineer prior to concreting.
 - All structural steel be grade 43A.
 - Cover to Main Reinforcement: Foundations 50; Slabs 20, Columns 30; Beams 25; Strip Footing 50;
 - Dimensions to be read and not scaled
 - This drawing to be read in conjunction with Architectural Drawings
 - All reinforced concrete to be Class 25 mix and blinding concrete to be Class 15 mix.

Revisions		
Date	Description	Remarks

Project:
PROPOSED KAKUMA MISSION
HOSPITAL EXTENSION
KAKUMA,
TURKANA COUNTY

Design & Supervising Engineers:



SIMBO CONSULT...
P.O.BOX 43507-00100,
Agwigs Kodhek Road,
NAIROBI.

Client:
KAKUMA.M.HOSPITAL

Drawing Title:
ROOF FLOOR +3000mm
TRUSS SECTIONS

Designed by: M.M.N
Drawn by: M.M.N
Checked by: J.M.K
Approved by: J.M.K
Date: 5th April 2026

SCH/KH/001/04/26
S.02C

Scale:
1 : 15