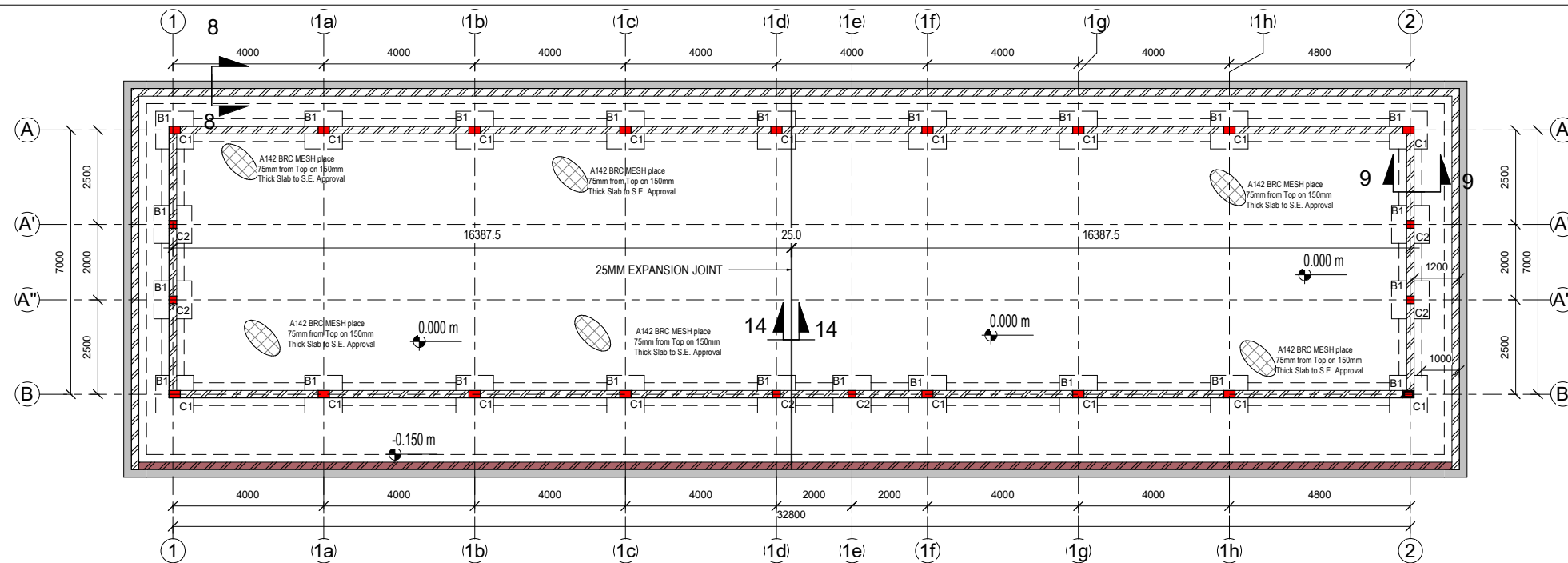
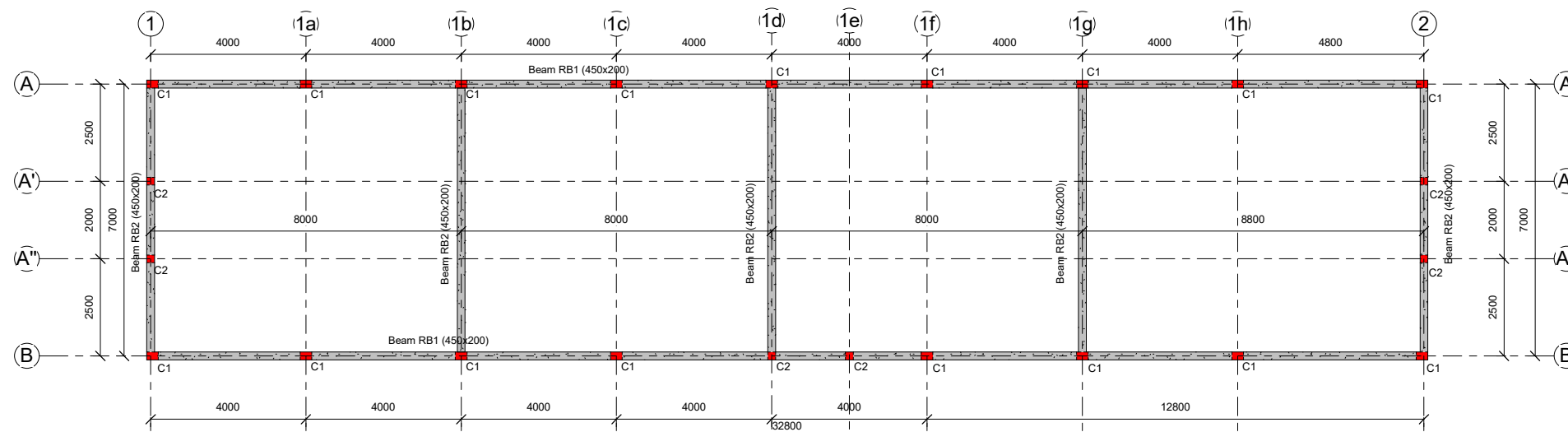
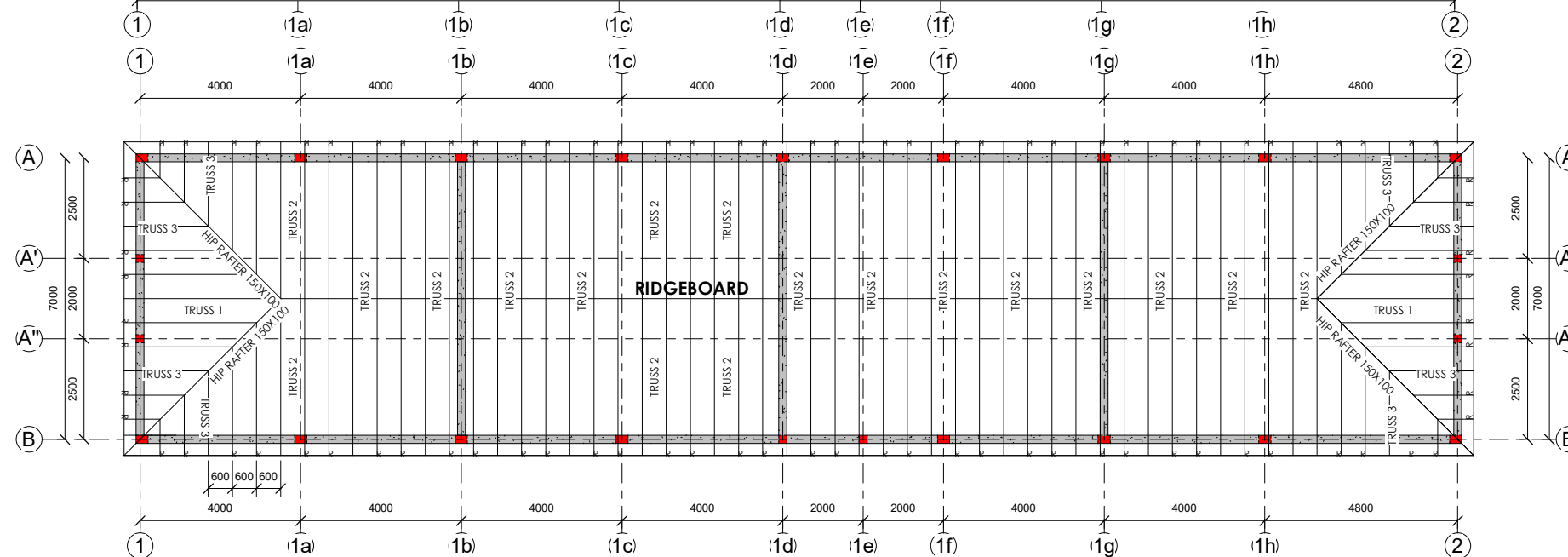




FOUNDATION/GROUND FLOOR LAYOUT
1 : 80



ROOF BEAMS LAYOUT
1 : 80



ROOF LEVEL DETAILS
1 : 80

NOTES:

1. Concrete Class: Foundation 25/20, Column 25/20, Ground Beam 25/20; Strip Footing 25/20 (i.e. Class 25N/mm² and Maximum Agg. Size 20mm)
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4. Cover to Main Reinforcement: Foundations 50; Columns 30; Ground Beams 40; Strip Footing 50; Slab 25; Beams 25.
5. Dimensions to be read and not scaled
6. This drawing to be read in conjunction with Architectural Drawings

Revisions		
Date	Description	Remarks

Project:
PROPOSED DORMITORY AT KERIO BOYS
SECONDARY SCHOOL, TURKANA

Client:
RURAL ELECTRIFICATION & RENEWABLE ENERGY
CORPORATION, REREC
P.O. BOX 34585 - 00100, NAIROBI

Drawing Title:
STRUCTURAL LAYOUTS

Designed by: Cindy Naisula
Drawn by: Cindy Naisula
Checked by: Eng. Okova Wangaki
Approved by: Eng. Okova Wangaki
Date: 12th October, 2023

KEMP-CSR-2023
S-01

Scale:
1 : 80

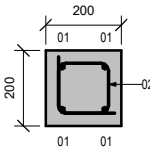
Keynote Legend	
Key Value	Keynote Text
HRD-003	300mm Thick Approval Well Compacted Fill Material (Compacted in Layers of 150mm)
SL-001	150mm Thick Slab with A142 BRC Mesh
SND-002	50mm Thick Crusher Run compacted to 90% with 1000 gauge Polythene Membrane

Bases Schedule				
Type Mark	Mark	Description	Count	Volume
Base	B1	1000x1000x300mm Thick Base	23	6.90 m³
Concrete				6.90 m³

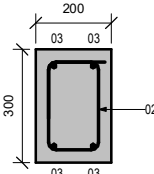
Wall Schedule		
Type	Description	Length (m)
200 mm Masonry Wall	Foundation Walling	169
Length		169

Slab Schedule		
Type Mark	Description	Volume
Slab	150mm Thick Slab	150.99 m³
Concrete		150.99 m³

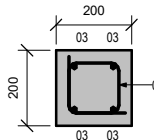
Column Schedule				
Type Mark	Mark	Description	Count	Volume
Column	C1	(300X200)	17	3.70 m³
Column	C2	(200x200)	6	1.07 m³
Concrete				4.77 m³



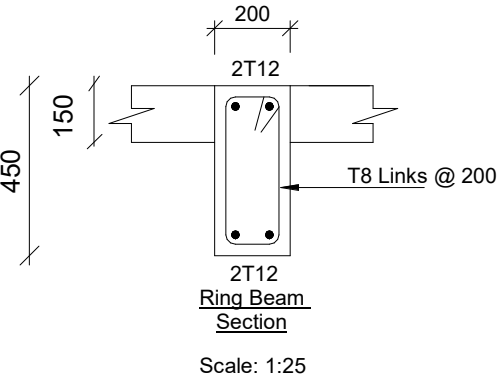
SECTION 3-3
1 : 10



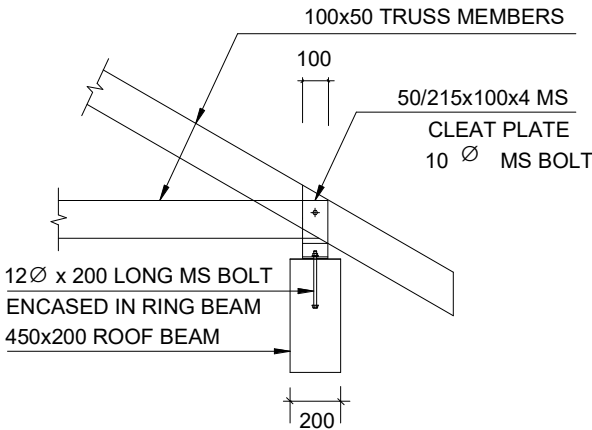
SECTION 5-5
1 : 10



SECTION 7-7
1 : 10



Roof Beams Schedule				
Type Mark	Mark	Description	Count	Volume
Beam	RB1	(450x200)	2	5.45 m³
Beam	RB2	(450x200)	5	2.99 m³
Concrete				8.43 m³



TYPICAL RAFTER-TIE BEAM
CONNECTION DETAIL

SCALE 1:25

ORIENTILESTEEL (TO ARCH. DETAILS)

G28 CORRUGATED SHEETS

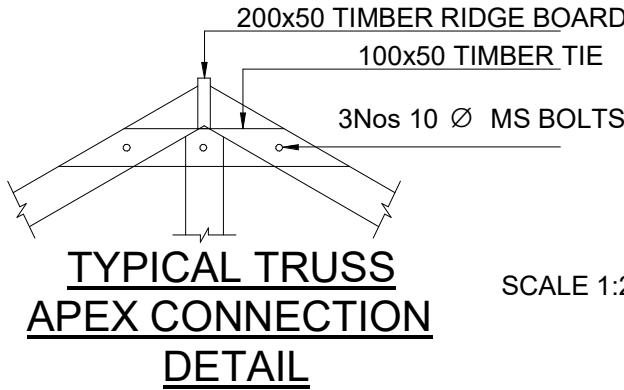
50x50 TIMBER BATTENS

100x50 TIMBER
RAFTERS @ MAX 800 C/C

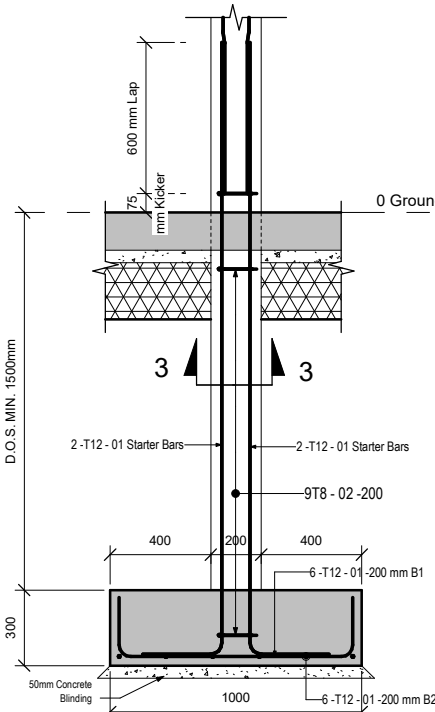
75x50 TIMBER PURLIN

TYPICAL ROOF SECTION

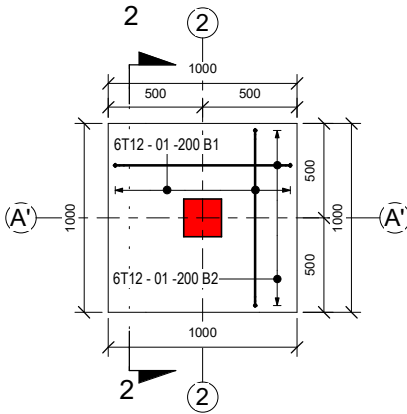
SCALE 1:25



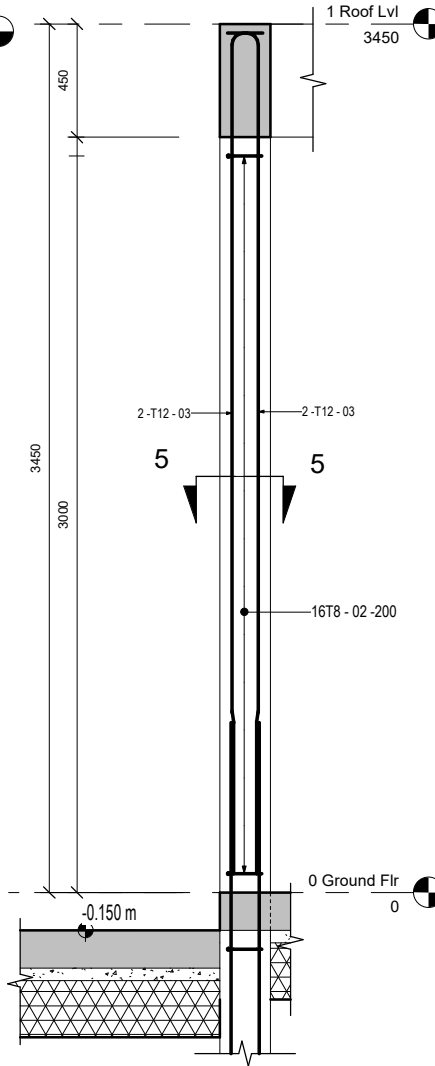
SCALE 1:25



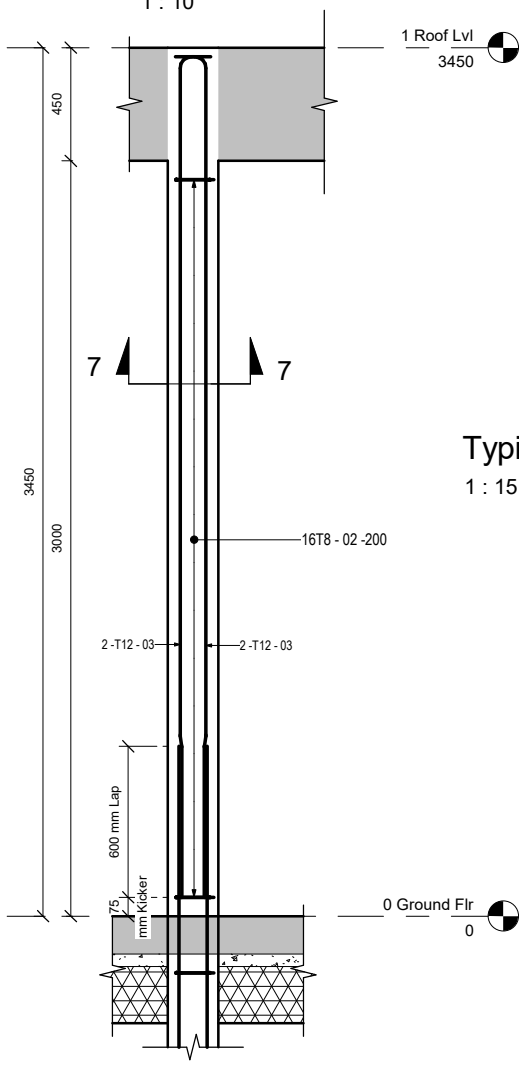
SECTION 2-2
1 : 15



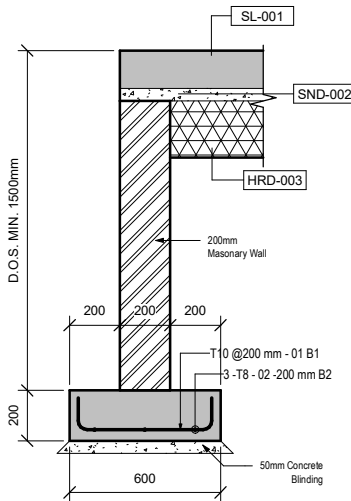
Base B1 Plan View
1 : 20



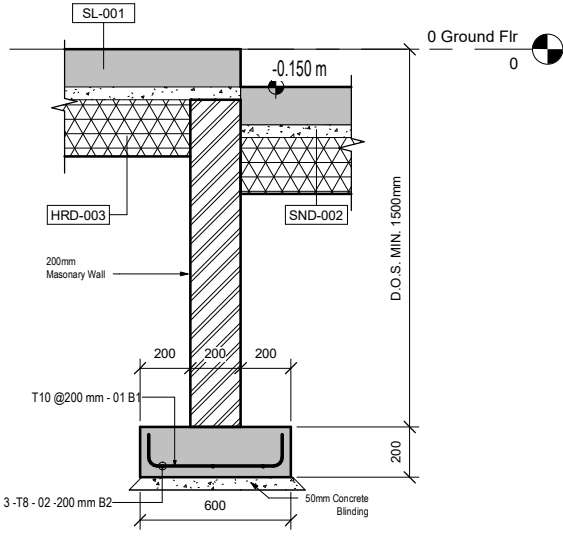
Column C1
1 : 15



Column C2
1 : 15



Typical Ext. Footing Section (Section 8-8)
1 : 15



Typical Int. Footing Section (Section 9-9)
1 : 15

NOTES:
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Revisions		
Date	Description	Remarks

Project:
PROPOSED DORMITORY AT KERIO BOYS
SECONDARY SCHOOL, TURKANA

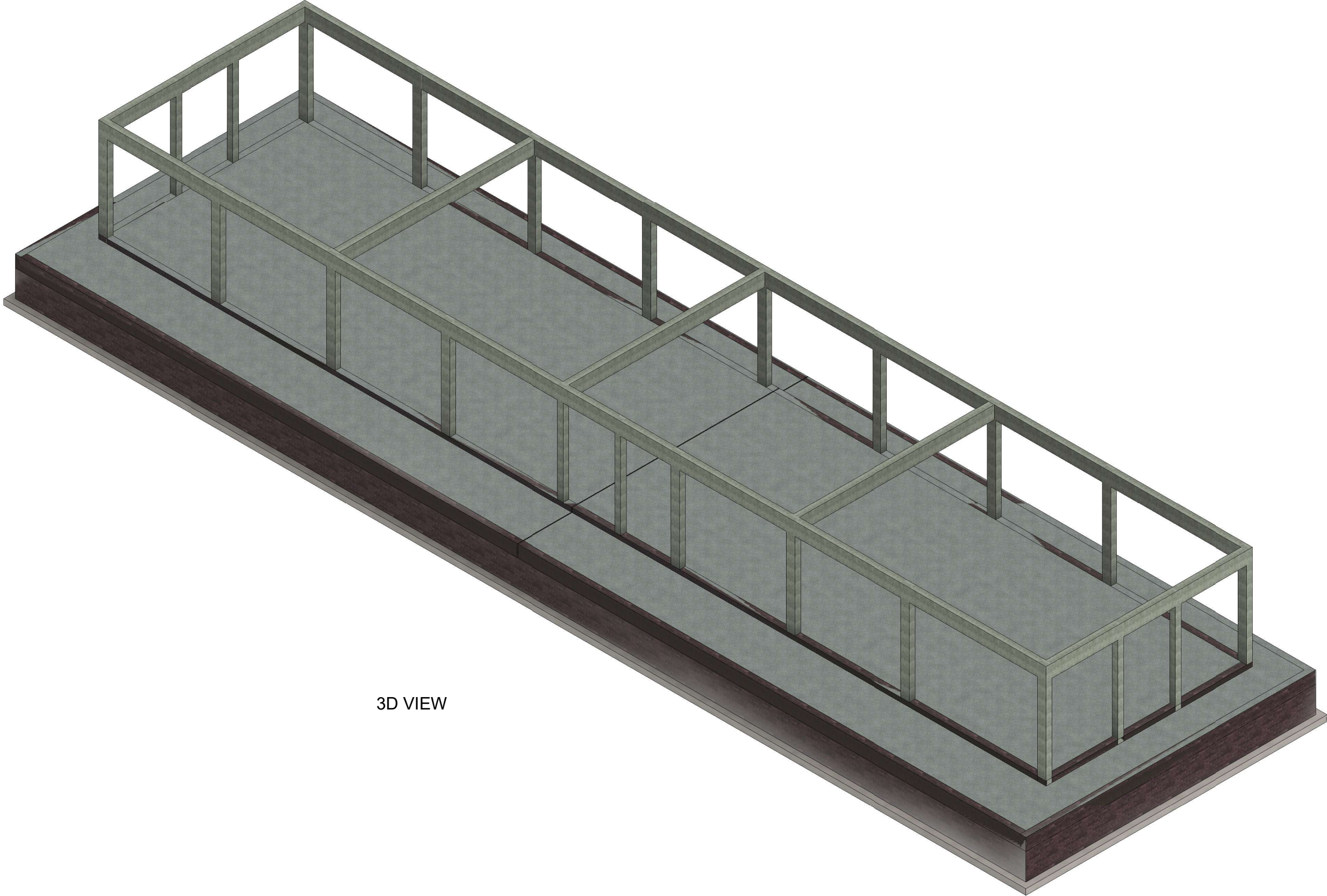
Client:
RURAL ELECTRIFICATION & RENEWABLE ENERGY
CORPORATION, REREC
P.O. BOX 34585 - 00100, NAIROBI

Drawing Title:
MEMBER DETAILS

Designed by: Cindy Naisula
Drawn by: Cindy Naisula
Checked by: Eng. Okova Wangaki
Approved by: Eng. Okova Wangaki
Date: 12th October, 2023

KEMP-CSR-2023
S-02

Scale:
As indicated



3D VIEW

NOTES:

1. Concrete Class:Foundation 25/20, Column 25/20, Ground Beam 25/20; Strip Footing 25/20 (i.e. Class 25N/mm2 and Maximum Agg. Size 20mm)

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4. Cover to Main Reinforcement: Foundations 50; Columns 30; Ground Beams 40; Strip Footing 50; Slab 25; Beams 25.

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6. This drawing to be read in conjunction with Architectural Drawings

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