

STRUCTURAL DRAWINGS FOR PROPOSED COTTON INDUSTRY BUILDING TO BE BUILT AT PLOT No ".1" BLOCK "F" AT NG'AMI INDUSTRY AREA

General Notes

1. Foundation depth might change to suit subsoil condition as directed by the Engineer
2. Reinforced concrete shall be grade 30 for footings and columns, and grade 25 for slabs, stairs and beams.
3. plain concrete shall be grade 15
4. Reinforcement from each lot shall be tested and the results intimated to the Engineer before use.
5. Unless otherwise specified minimum cover to reinforcement shall be as follows:-

Columns	30mm
slabs and beams	25mm
foundation in dry soil	50mm
foundation in water logged soil	75mm
6. Reinforcement steel of varying lengths and curved shapes are to be bent to suit structural shape
7. The mortar for Construction should be of designation (ii)
8. The minimum Compressive strength of the construction blocks should be 2.8 N/mm².
9. All dimensions are in mm.

No.	Revision/Issue	Date

Client:

Shreerajendra Agro Industries Limited
P.o.Box 2760
Mwanza

Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NG'AMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
.....

ANALYSIS & DETAILING:
Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:

A: CODES AND STANDARDS

AS REFERENCED IN THE STRUCTURAL DESIGN FOR BUILDINGS, THE FOLLOWING BRITISH STANDARDS SHALL GOVERN THE CONSTRUCTION, QUALITY CONTROL, AND SAFETY OF ALL STRUCTURAL WORK PERFORMED IN THIS PROJECT: –

1. CP3: CHAPTER V: 1972 AND BS6399:2–1997 FOR DESIGN OF WIND LOADS IN BUILDINGS.
2. BS8110:2–1997 CODE OF PRACTICE FOR STRUCTURAL USE OF REINFORCED CONCRETE IN BUILDINGS.
3. BS5268:1–1985 CODE OF PRACTICE FOR STRUCTURAL USE OF TIMBER.

B: DIMENSIONS

1. UNLESS OTHERWISE STATED, ALL DIMENSIONS ON THE DRAWINGS ARE IN MILLIMETERS (mm).

C: FLOOR AND ROOF LOADS

PROVISION OF MINIMUM DESIGN LOADS EXPERIENCED IN STRUCTURE WILL BE AS PER THE FOLLOWING SPECIFICATIONS: –

1. DEAD LOAD:
FIRST FLOOR SLABS
(A) SCREED 1.80 KN/m²
(B) CEILING AND SERVICES 0.50 KN/m²
(C) FLOOR PARTITION AT ANY POINT 2.80 KN/m²

2. IMPOSED LOAD:
IMPOSED LOAD ON THE HALLS ROOMS 3.0 KN/m²
IMPOSED LOAD ON OTHER AREAS..... 3.0 KN/m²

NOTE: –

GROUND FLOOR SLAB WILL BE THE SLAB ON GRADE WITH MINIMUM REINFORCEMENT FOR CRACK CONTROL

WIND LOADS HAVE BEEN DESIGNED AS PER THE CP3:CHAPTER V:1972 AND BS6399:2–1997:

1. THE DESIGN BASIC WIND SPEED IS 35 m/s
2. BUILDING IMPORTANCE AND TYPE FACTOR 1.0

E: EARTHQUAKE LOADS

EARTH QUAKE LOADS HAVE BEEN DEDUCTED FROM THE LOCAL MANUAL (BRU TECHNICAL GUIDELINE No.2) COMPLYING WITH BRITISH STANDARDS:

1. THE ZONE RICHTER SCALE IS BETWEEN: 5 – 4
2. THE GROUND ACCELERATION FACTOR: 0.050
3. STRUCTURAL RESPONSE FACTOR: 1.200
4. THE STRUCTURAL FUNDAMENTAL PERIOD OF OSCILLATION: 2.400

F: GEOTECHNICAL CRITERIA

1. FOUNDATION DESIGN WILL BASE ON THE RESULTS AND RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATION REPORT PREPARED.
2. CURRENTLY FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 150 KN/m² AND AN AVERAGE SOIL STIFFNESS MODULUS (E_s) OF 5.0 MN/m².

G: BACKFILL

1. CONTRACTOR SHALL ANTICIPATE AND MAKE PROVISIONS FOR ADEQUATE DRAINAGE DURING AND AFTER BACKFILLING.
2. BACKFILL MATERIAL PLACED AGAINST FOUNDATION WALLS SHALL BE FREE DRAINING MATERIAL WITH PARTICLE GRADING RANGING FROM 2.5mm TO 20mm FREE FROM DUST, OIL, PAINTS, MUD, ORGANIC WASTES, SALTS AND SHALL NOT INCLUDE SITE EXCAVATED SOIL MATERIALS.
3. ALL FILL MATERIAL SHALL BE PLACED IN MAXIMUM LOOSE LIFTS OF 200 mm AND SHALL BE COMPACTED TO DRY DENSITIES OF AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.

H: CAST-IN-PLACE CONCRETE CONSTRUCTION

1. DESIGN, CONSTRUCTION, AND QUALITY CONTROL OF ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH REFERENCED CODES AND STANDARDS.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE FROM GRANITE AGGREGATE, FINE SAND AND POZOLANA CEMENT.
3. CONCRETE CONSTRUCTION AND PROPERTIES SHALL CONFORM TO THE MINIMUM CRITERIA SPECIFIED IN TABLE 1 BELOW.

STRUCTURAL ELEMENTS	MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS MPa	MAXIMUM WATER CEMENT RATIO	ENTRAINED AIR RANGE (%)
FOUNDATIONS	STRIP FOUNDATIONS: 20	0.55	2 – 4 %
	PAD FOUNDATIONS: 25		
WALLS ELEVATED SLABS	30	0.55	4 – 6 %
COLUMNS AND BEAMS	30	0.55	4 – 6 %

4. PRE-CONSTRUCTION QUALITY ASSURANCE SUBMITTALS SHALL BE IN ACCORDANCE WITH THE BRITISH STANDARDS
5. FIELD QUALITY ASSURANCE REQUIREMENTS FOR CONCRETE CONSTRUCTION, INCLUDING CONCRETE TEST CYLINDERS, SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF BRITISH STANDARDS BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE

J: REINFORCEMENT

STEEL REINFORCEMENT FOR CONCRETE SHALL BE HIGH STRENGTH DEFORMED BARS CONFORMING TO BS4449, GRADE 460 AND THE ADDITIONAL REQUIREMENTS LISTED BELOW: –

1. THE ACTUAL YIELD STRENGTH BASED ON MILD TESTS SHALL NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 125 MPA.
2. THE RATIO OF THE ACTUAL ULTIMATE TENSILE STRENGTH TO THE ACTUAL TENSILE YIELD STRENGTH SHALL NOT BE LESS THAN 1.25.
3. DETAILS OF STEEL REINFORCEMENT SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE BS866: 2000
4. EXPOSURE CONCRETE PROTECTION FOR STEEL REINFORCEMENT OF CAST-IN-PLACE CONCRETE SHALL BE PROVIDED AS SPECIFIED IN TABLE 2 BELOW: –

STRUCTURAL ELEMENT	NOT EXPOSED TO EARTH OR WEATHER IN SERVICE (mm)	EXPOSED TO EARTH OR WEATHER IN SERVICE (mm)		EARTH FORMED
		Ø16mm OR SMALLER	Ø20mm OR LARGER	
SLABS	25	40	50	75
BEAMS	35	40	50	75
WALLS	40	40	50	75
FOOTINGS	50	75	75	75

5. WHEN REINFORCING STEEL IS NOTED AS CONTINUOUS IN WALLS AND SLABS, STAGGERING SHOULD BE NECESSARY.
6. REINFORCING BARS SHOULD CONFORM WITH THE FOLLOWING LAP LENGTHS: –

BAR DIA (mm)	MINIMUM LAP LENGTHS	
	STAGGERED	NOT STAGGERED
10	400	500
12	500	700
16	650	900
20	800	1100
25	1000	1400
32	1300	1800

7. LAP LENGTHS FOR UNEQUAL SIZE BARS SHALL BE BASED ON THE SMALLER BAR.

K: STRUCTURAL TIMBER

1. STRUCTURAL TIMBER TO BE USED IN THE ROOF SHALL CONFORM TO BS5268: 1–1985.
2. ALL STRUCTURAL TIMBER USED FOR THE ROOF SHOULD HAVE TENSILE STRENGTH PARALLEL TO GRAINS OF 4.50 N/mm²
3. ALL STRUCTURAL TIMBER USED FOR THE ROOF SHOULD HAVE BENDING STRENGTH PARALLEL TO GRAINS OF 7.50 N/mm²
4. ALL STRUCTURAL TIMBER USED FOR THE ROOF SHOULD HAVE COMPRESSION STRENGTH PARALLEL TO GRAINS OF 7.90 N/mm²
4. ALL STRUCTURAL TIMBER TO BE USED IN THE ROOF SHOULD HAVE A LIMIT MOISTURE CONTENT OF 18%

L: ANCHORS AND DOWELS

1. ALL ANCHOR BOLTS SHOULD HAVE A DIAMETER OF Ø16mm GRADE 8.8 PROVIDED WITH HOLDING DOWN PLATE OR WITH A MINIMUM RADIUS OF 82 mm FOR THE HOLDING OWN HOOK.
2. ALL STEEL BASE PLATES SHOULD HAVE A THICKNESS OF NOT LESS THAN 10mm
3. WHENEVER NECESSARY, CONCRETE ADHESIVE ANCHORS SHALL BE INSTALLED TO PROVIDE THE FOLLOWING MINIMUM ALLOWABLE CAPACITIES AND EMBEDMENT (WHEN TESTED IN NORMAL WEIGHT CONCRETE HAVING A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 25 N/mm²):

BAR DIA (mm)	SHEAR (KN)	TENSION (KN)	EMBEDMENT LENGTH (mm)
12	43	64	120
16	76	113	160
20	118	176	200
25	185	275	250

3. BOLTS WITH DIAMETER LESS THAN Ø12mm SHALL NOT BE PERMITTED FOR STRUCTURAL CONNECTIONS INTO CONCRETE.
4. ALL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.
5. LOCATIONS OF POST-INSTALLED ANCHORS SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION TO COORDINATE WITH IN-PLACE REINFORCING STEEL BARS.
6. ALL BOLTS CONNECTING MEMBERS OF STRUCTURAL STEELWORK/ OR CONNECTED TO CONCRETE WITH BASE PLATES SHOULD HAVE A THE FOLLOWING END DISTANCES LIMITATIONS:

- A] MINIMUM END DISTANCE = 1.4(ϕ)
- B] MAXIMUM END DISTANCE = 11(ϕ) (275/ P_y)^{0.5} = 9.68(ϕ)

M: BLOCK WORK

- 1 FOR GENERAL SETTING OUT OF BLOCKWORK AND BLOCKWORK EXPANSION JOINTS, REFER TO ARCHITECTS DRAWINGS
- 2 ALL LOAD-BEARING BLOCK WALLS TO BE OF SOLID WITH A COMPRESSIVE STRENGTH OF NOT NOT LESS THAN 7MPa LAID ON IN CLASS II MORTAR WITH 28 DAYS COMPRESSIVE STRENGTH OF 7MPa
- 3 BRICK FORCE BARS SHOULD BE PROVIDED WITH MINIMUM DIMENSION OF 2.8mm AND YIELD STRENGTH = 485MP AND LAP LENGTH OF 400mm MINIMUM
- 4 BRICK FORCE BARS SHOULD BE PROVIDED IN EVERY COURSE IN THE FOUNDATION BLOCK WORK UP TO THE THE GROUND FLOOR BEAMS AND IN EVERY THIRD COURSE IN THE SUPERSTRUCTURE TIED UP INTO STRUCTURAL COLUMNS
- 5 ALL BRICK FORCE BARS SHOULD BE GALVANISED WITH MINIMUM COATING OF 750g/m OF ZINC.

N: LIST OF ABBREVIATIONS

ABR – ALTERNATE BARS REVERSED

ABS – ALTERNATE BARS STEGGED

CJ – CONSTRUCTION JOINTS

CL – CENTRE LINE

B – BOTTOM REINFORCING BARS

T – TOP REINFORCING BARS

N – NEAR FACE REINFORCING BARS

F – FAR FACE REINFORCING BARS

S – SIDE REINFORCING BARS

Ø – BOLT DIAMETER

t_p – THICKNESS OF CONNECTED PART/ BASE PLATE

P_y – DESIGN STRENGTH OF STEEL

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6. Reinforcement steel of varying lengths and curved shapes are to be bent to suit structural shape
7. The mortar for Construction should be of designation (M)
8. The minimum Compressive strength of the construction blocks should be 2.8 N/mm².
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Client:

Shreerajendra Agro Industries Limited
P.o.Box 2760
Mwanza

Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:

Industry Building

Drawing title:

.....

ANALYSIS & DETAILING:

Eng. Japhet S.

DRAWN BY:

Eng. Japhet S.

CHECKED BY:

.....

DATE:

JUNE, 2024

SCALE:

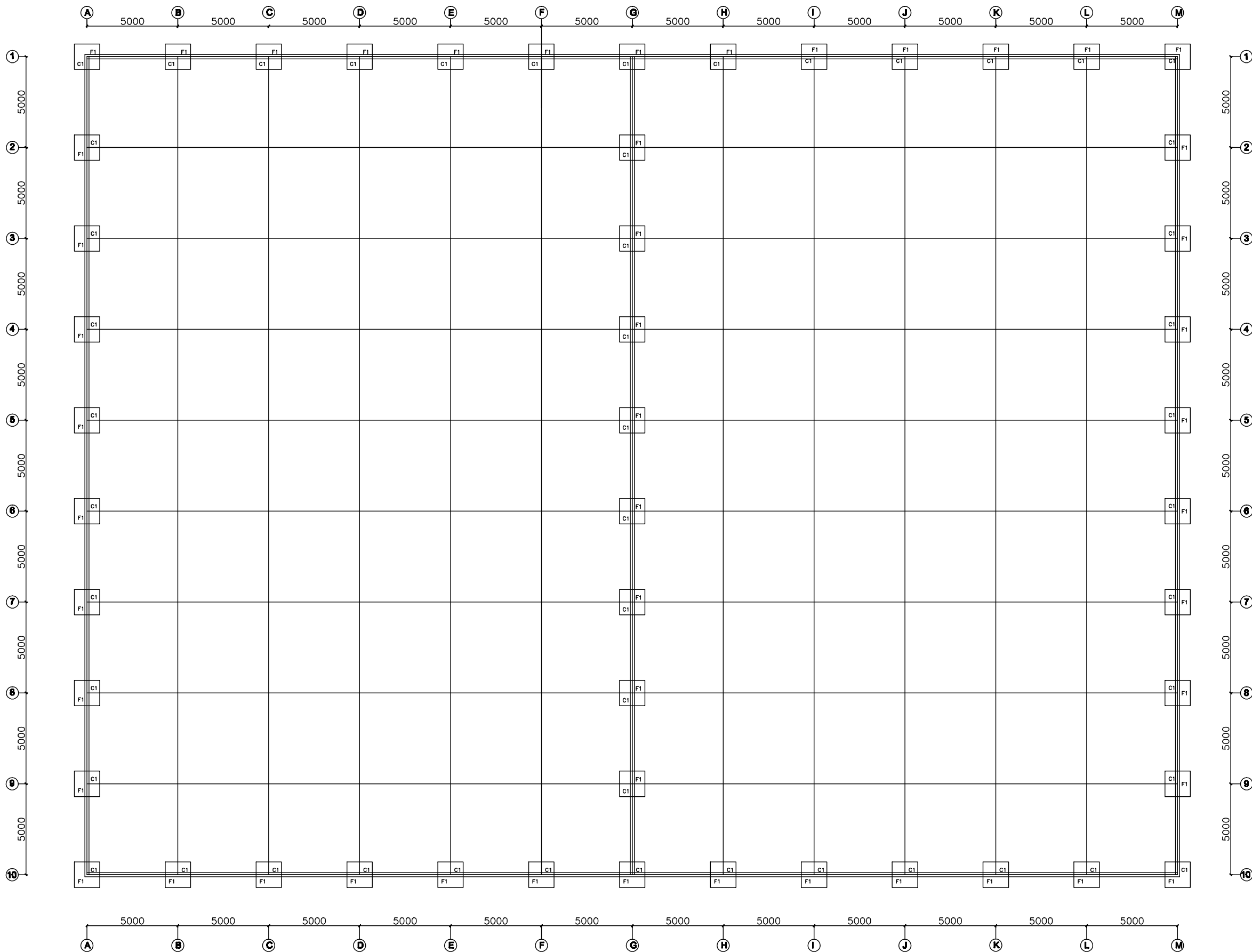
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DRAWING NO

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REVISION:

.....



FOUNDATION LAYOUT PLAN

General Notes

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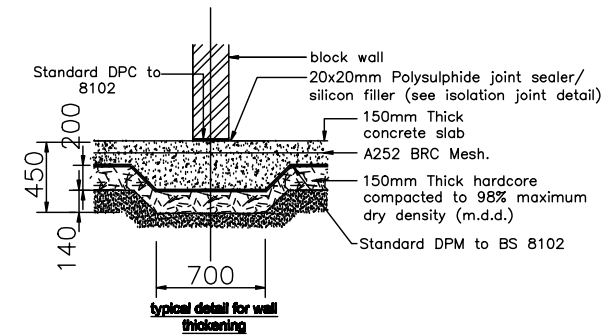
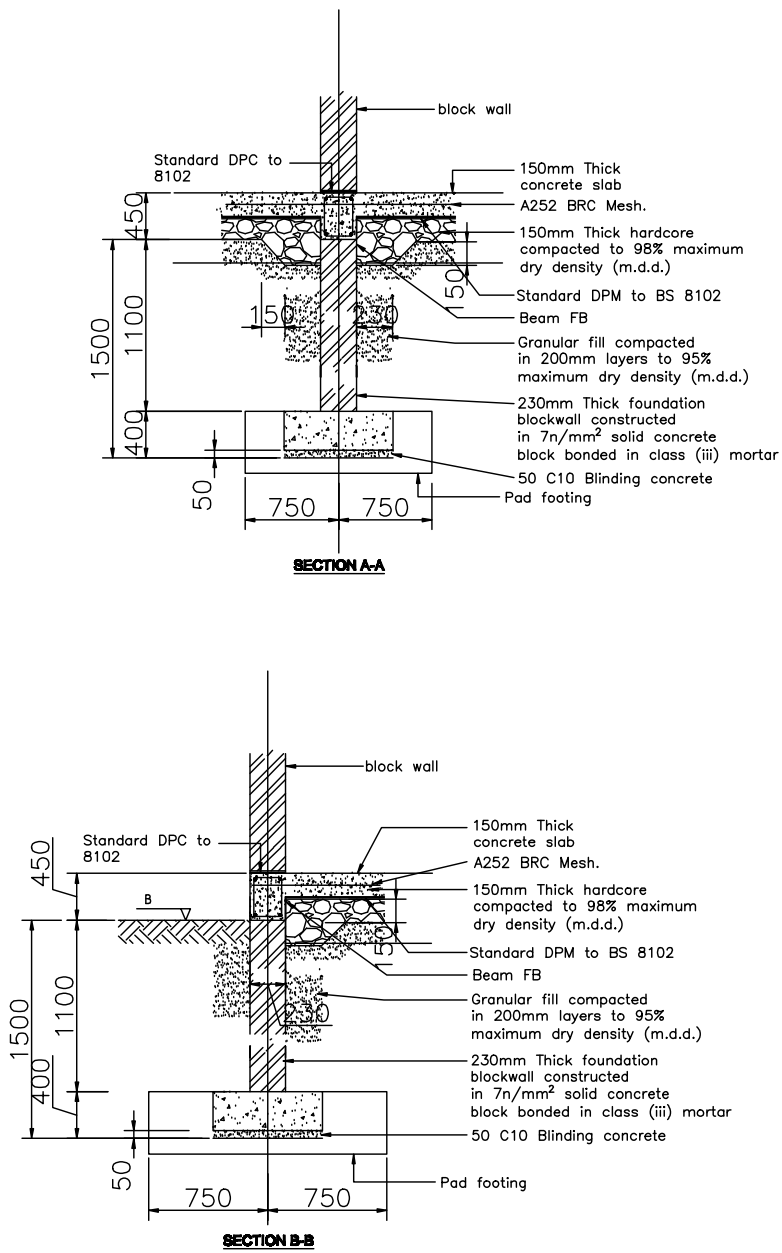
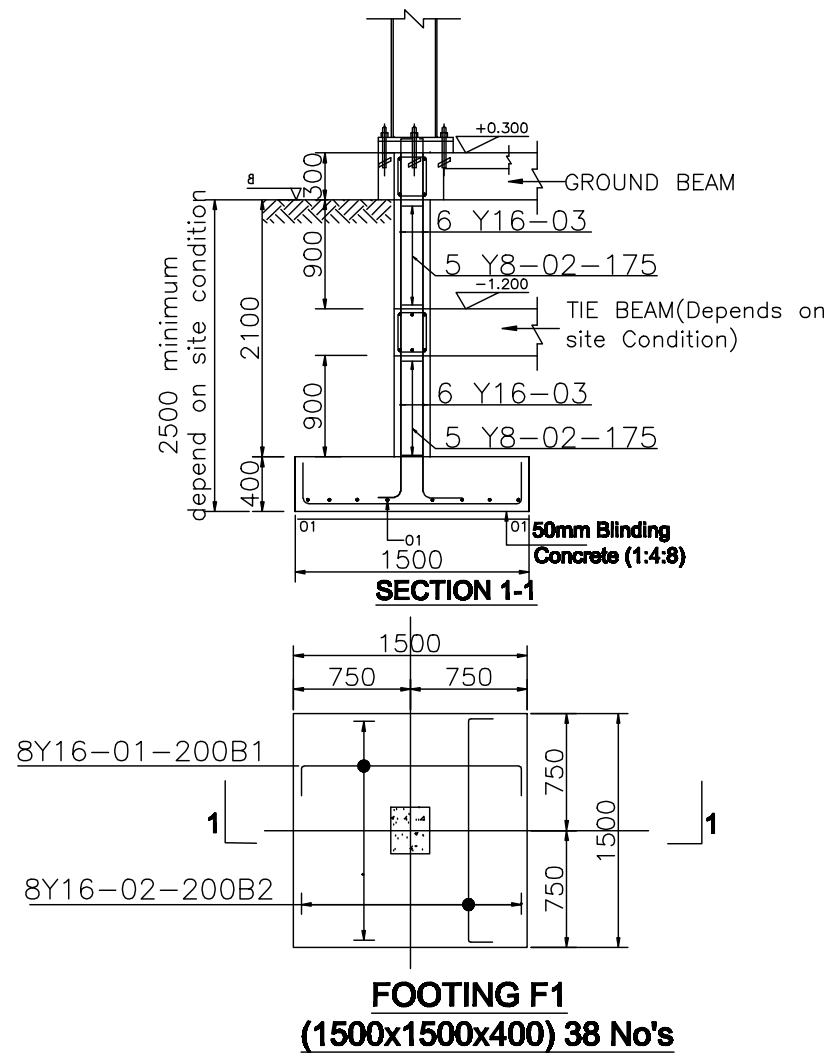
Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Foundation Plan

ANALYSIS & DETAILING: Eng. Japhet S.		
DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



SECTIONS

General Notes

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Consultants:

Project Name:

Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NG'AMI INDUSTRY AREA.

Building Type:

Industry Building

Drawing title:

Foundation Section & Details

ANALYSIS & DETAILING:

Eng. Japhet S.

DRAWN BY:

Eng. Japhet S.

CHECKED BY:

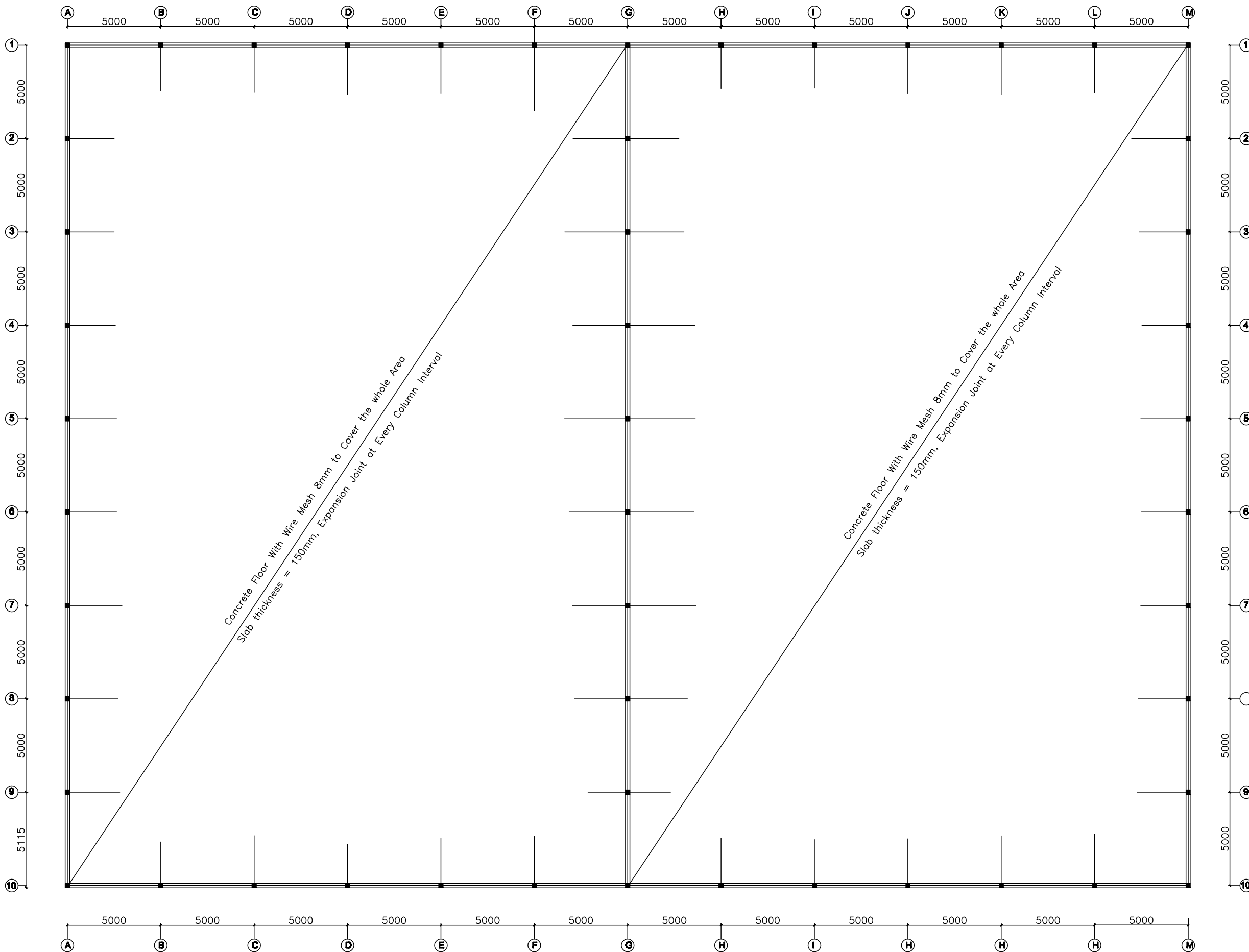
JUNE, 2024

SCALE:

DRAWING NO

REVISION:

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COLUMNS LAYOUT PLAN

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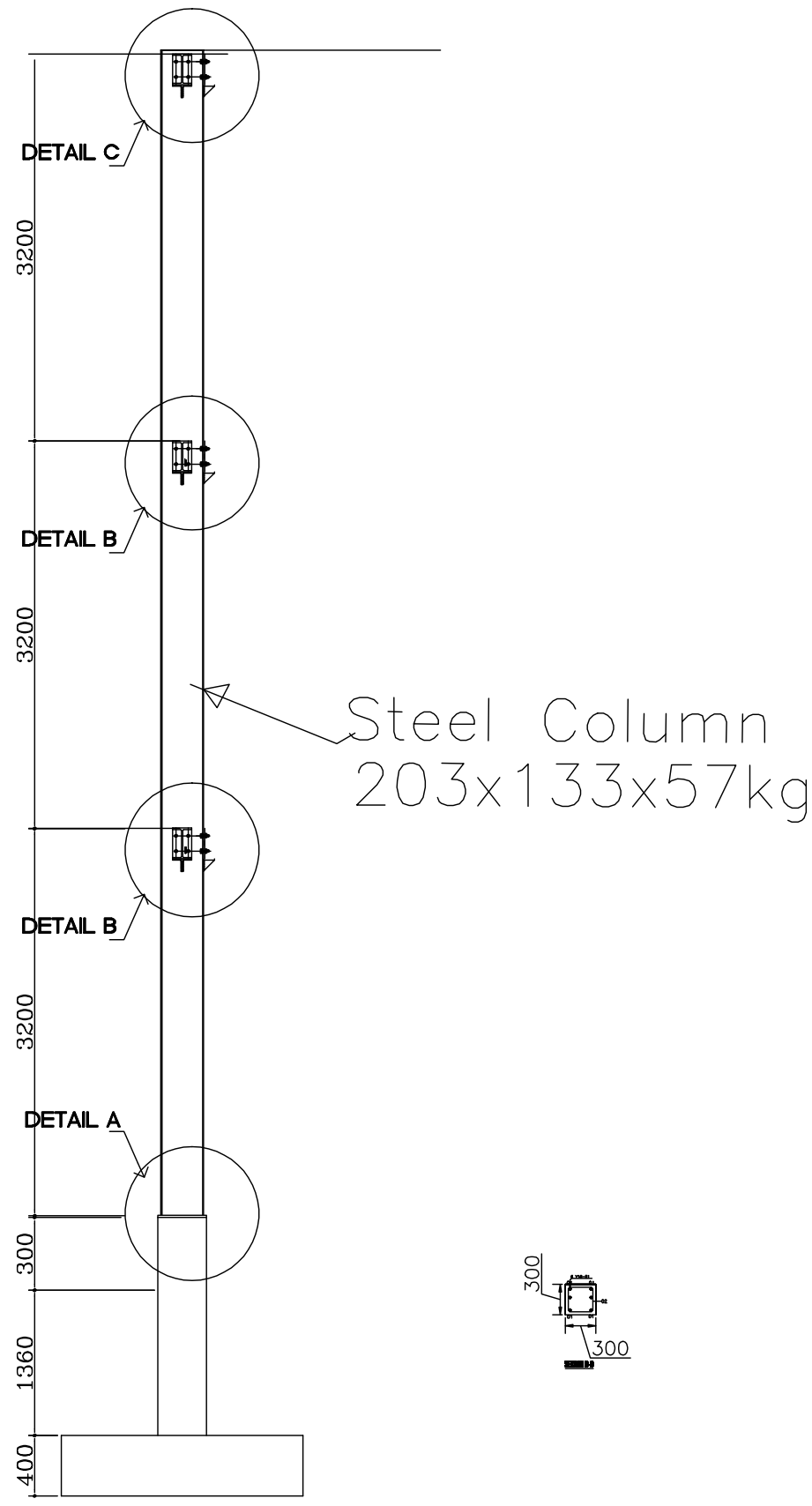
Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NG'AMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Column Layout Plan

ANALYSIS & DETAILING: Eng. Japhet S.		
DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



Column 300x300mm 50Nos

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Consultants:

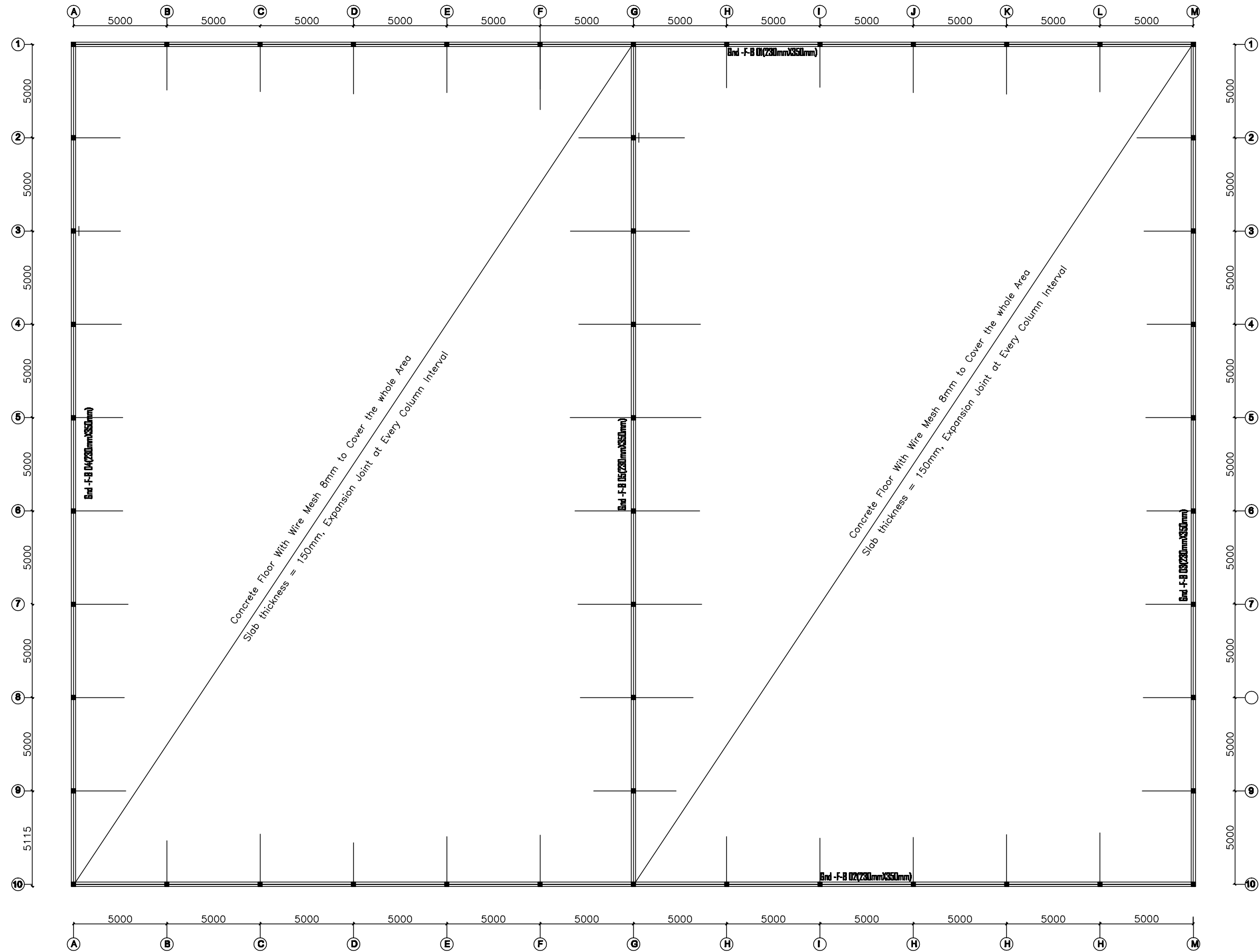
Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Column Details

ANALYSIS & DETAILING:
 Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
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GROUND BEAM LAYOUT PLAN

General Notes

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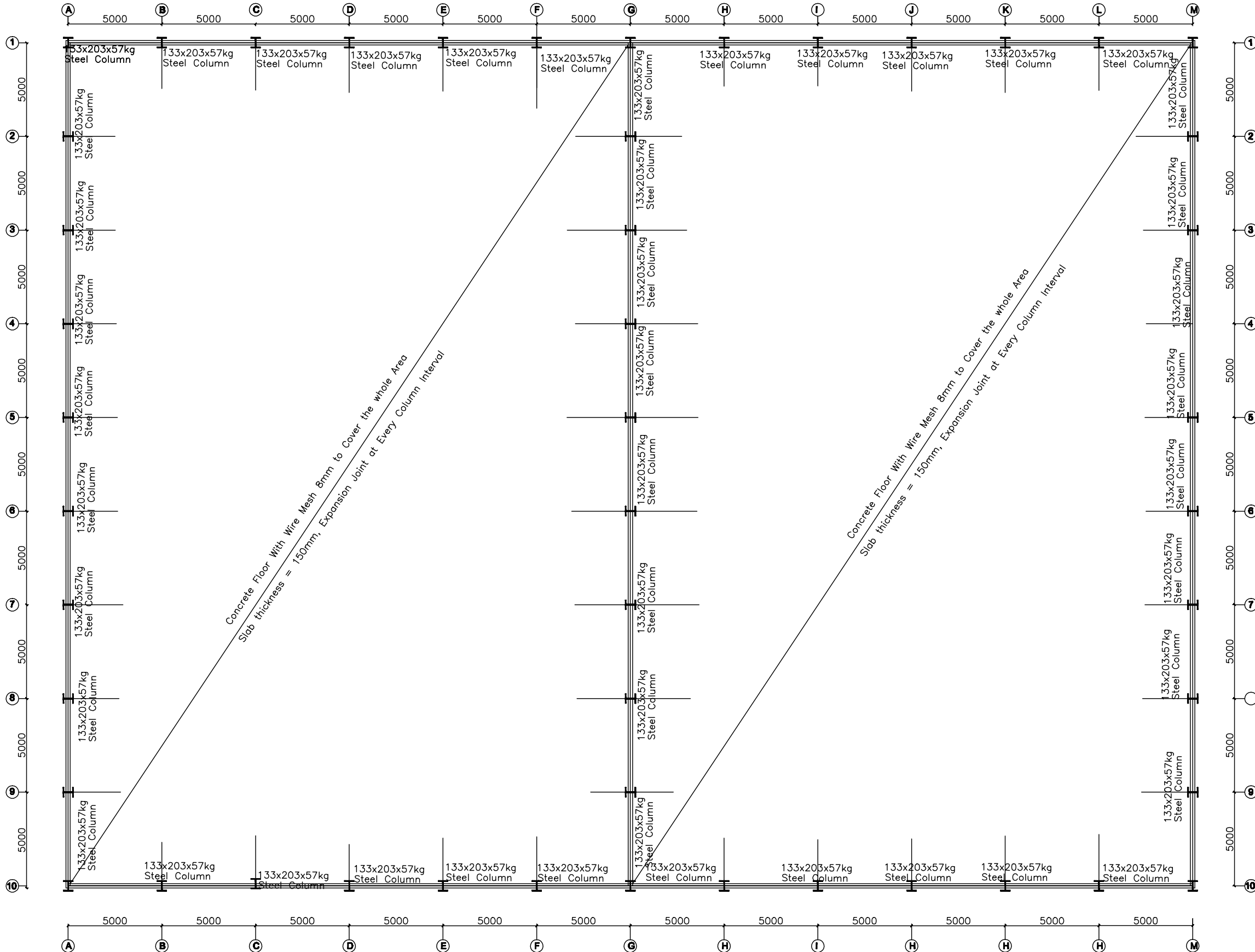
Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Beam Layout Plan

ANALYSIS & DETAILING:		
Eng. Japhet S.		
DRAWN BY:	CHECKED BY:	DATE:
Eng. Japhet S.		JUNE, 2024
SCALE:	DRAWING NO:	REVISION:
1:125		



COLUMN & BEAM LAYOUT PLAN

General Notes

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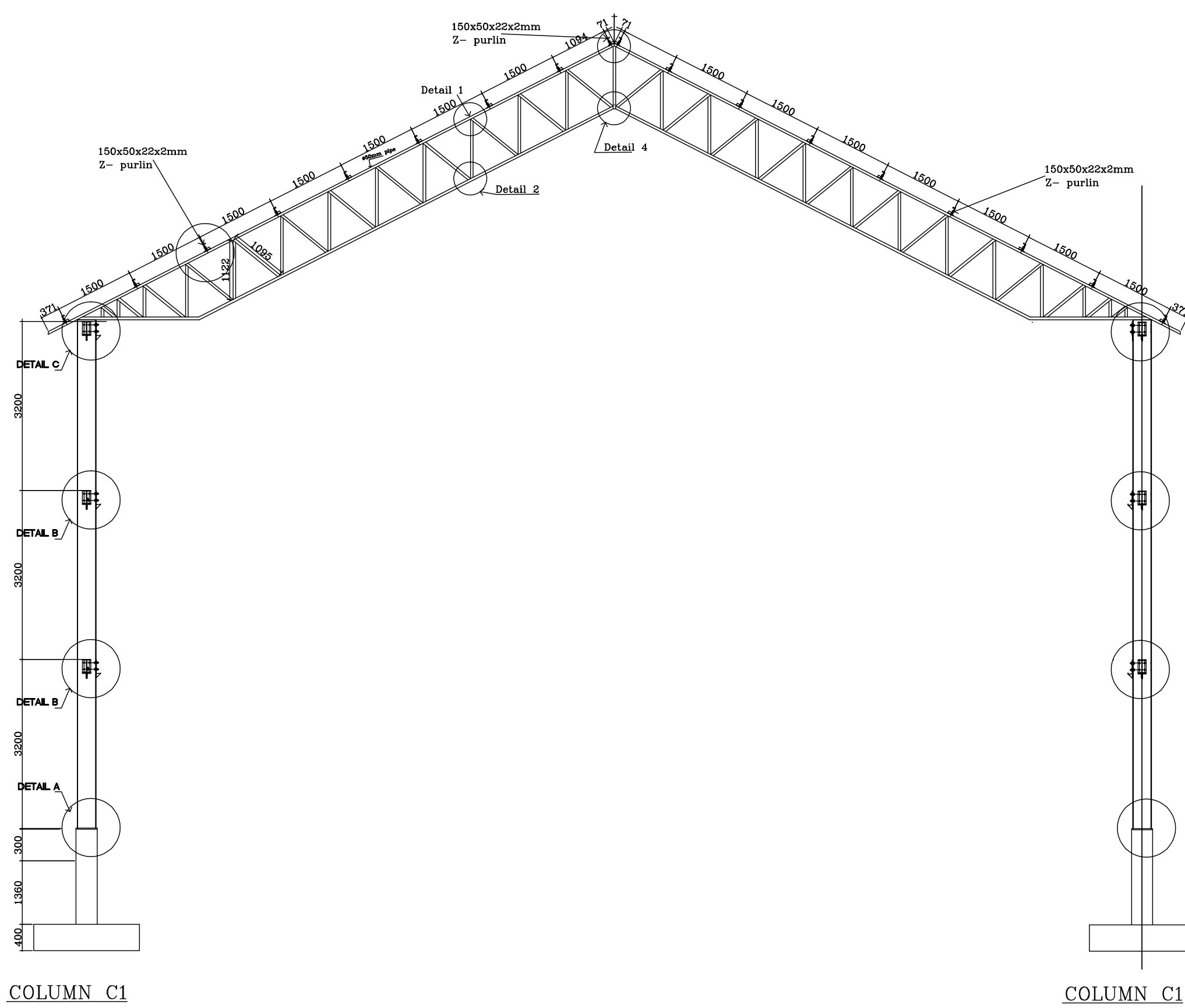
Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Column & Beam layout Plan

ANALYSIS & DETAILING: Eng. Japhet S.		
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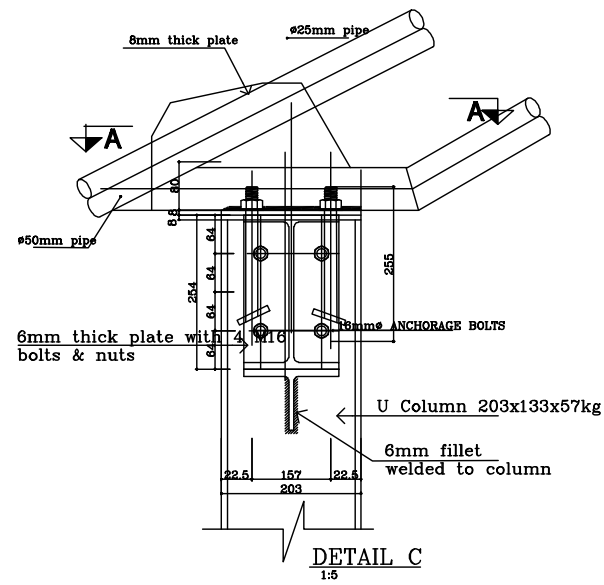
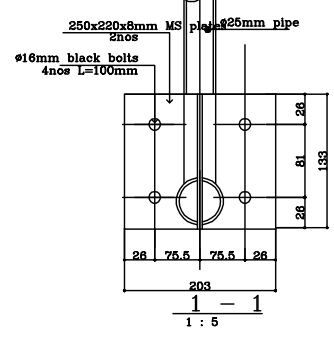
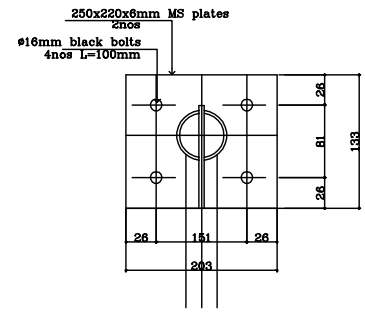
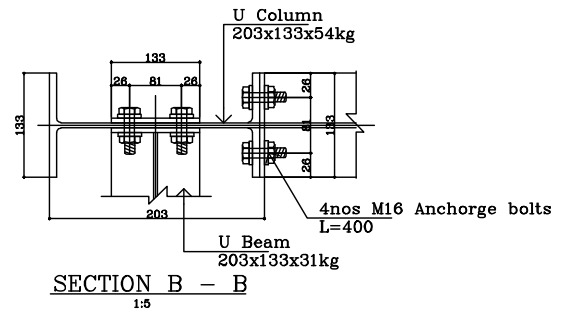
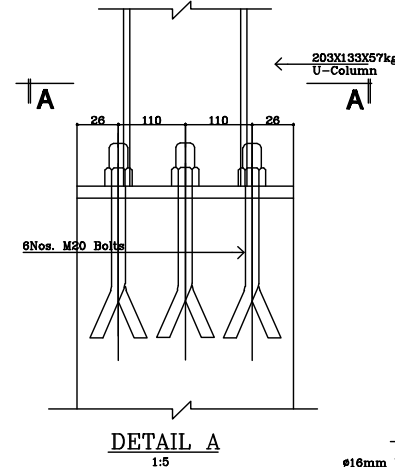
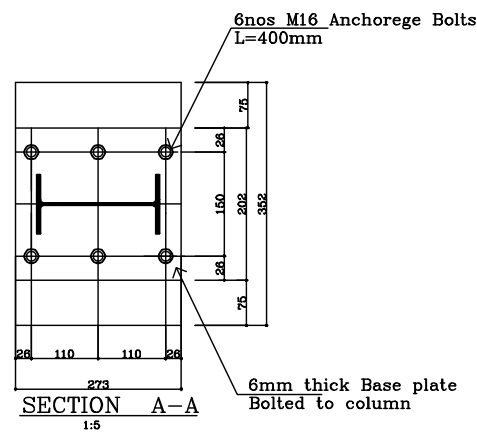
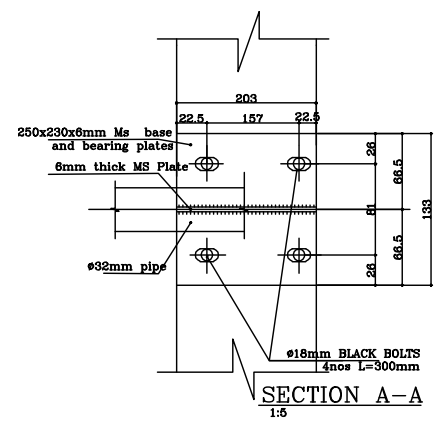
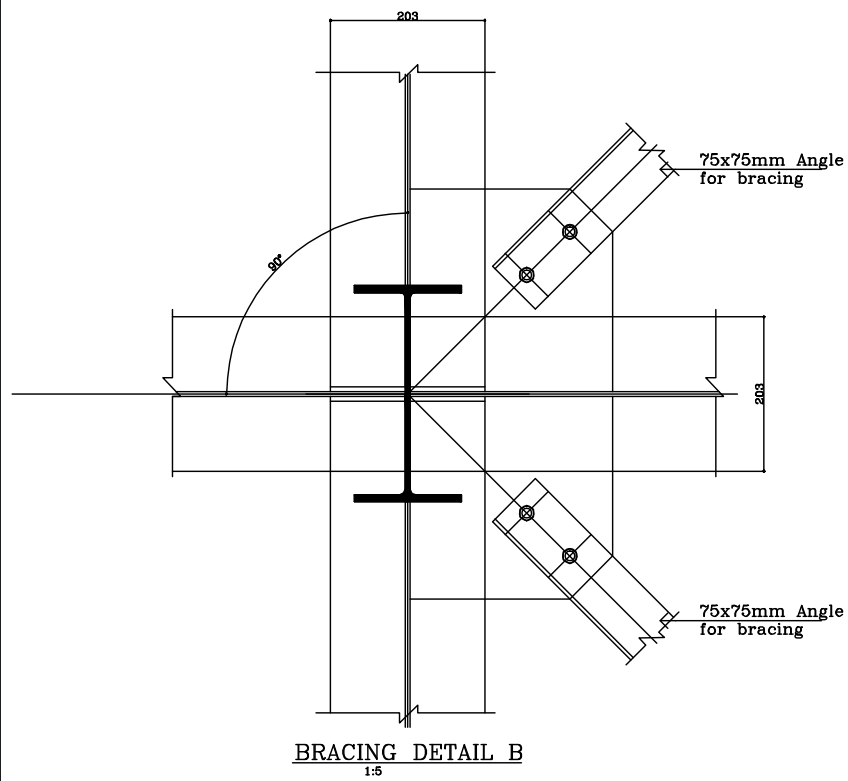
Building Type:
Industry Building

Drawing title:
Truss Section & Details

ANALYSIS & DETAILING:
 Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
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Consultants:

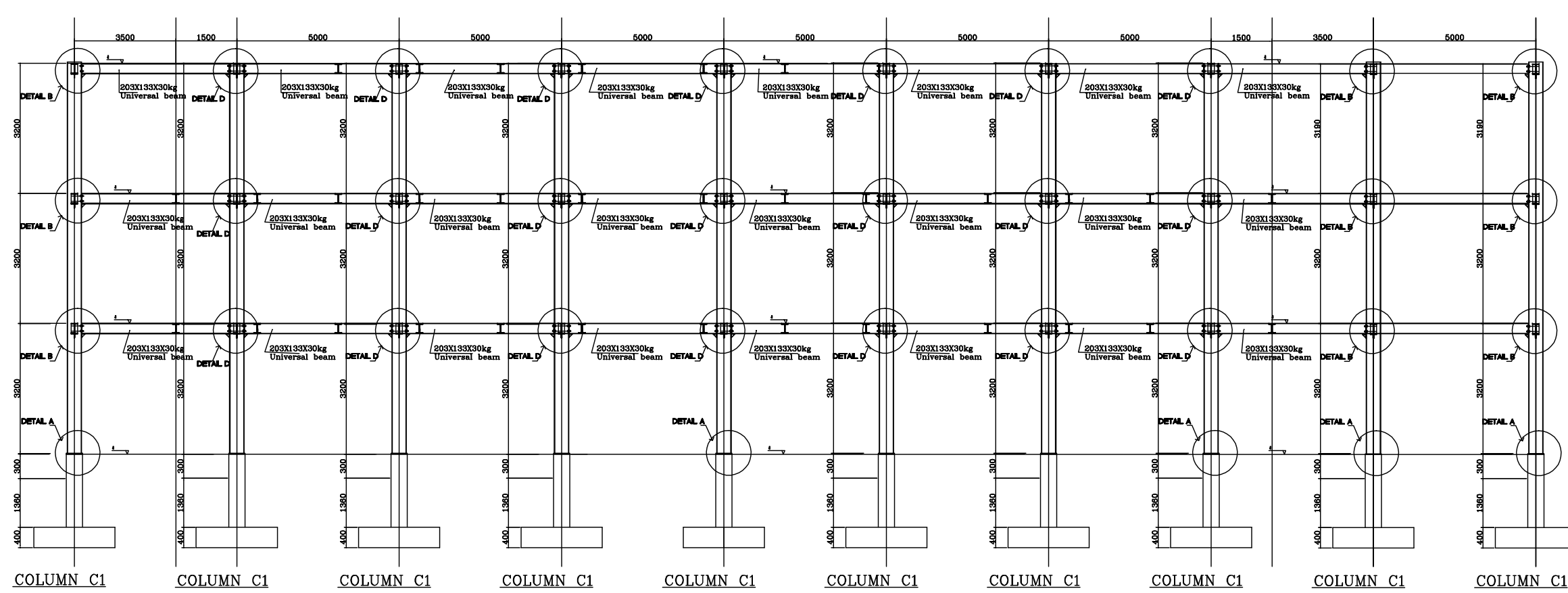
Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Truss Section & Details

ANALYSIS & DETAILING:
Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



General Notes

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7. The mortar for Construction should be of designation (M)
8. The minimum Compressive strength of the construction blocks should be 2.8 N/mm².
9. All dimensions are in mm.

No.	Revision/Issue	Date

Client:

Shreerajendra Agro Industries Limited
P.o.Box 2760
Mwanza

Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Section & Details

ANALYSIS & DETAILING: Eng. Japhet S.		
DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:

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No.	Revision/Issue	Date

Client:

 Shreerajendra Agro Industries Limited
 P.o.Box 2760
 Mwanza

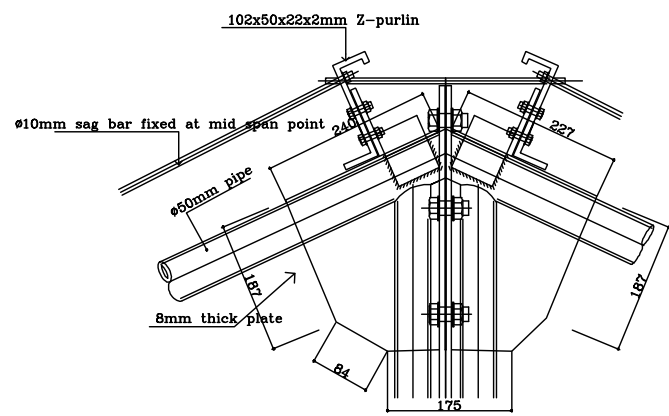
Consultants:

Project Name:
Proposed Construction of Cotton Industry to be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

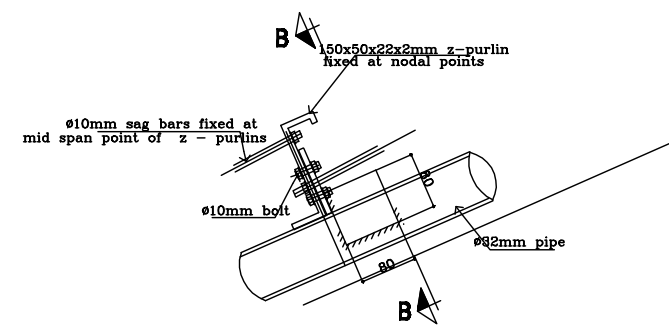
Building Type:
Industry Building

Drawing title:
Truss Section & Details

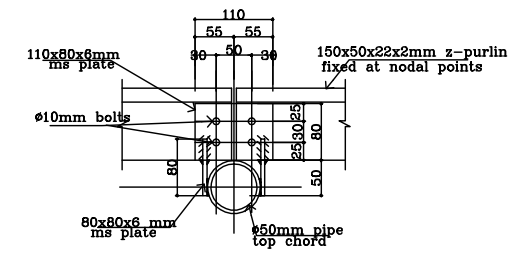
ANALYSIS & DETAILING: Eng. Japhet S.		
DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



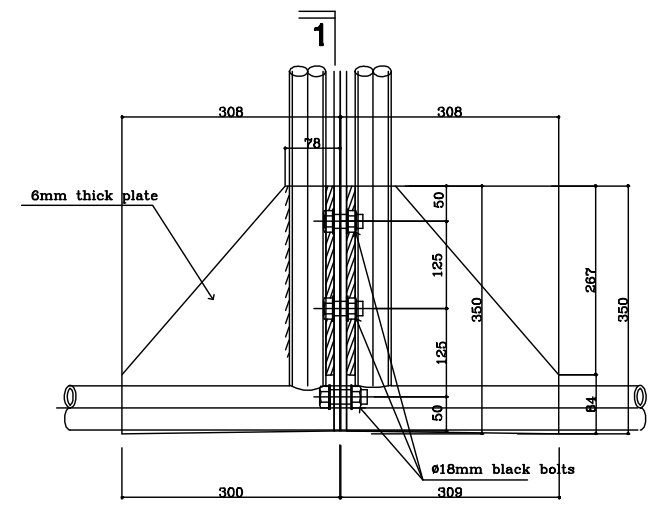
DETAIL 3
1:5



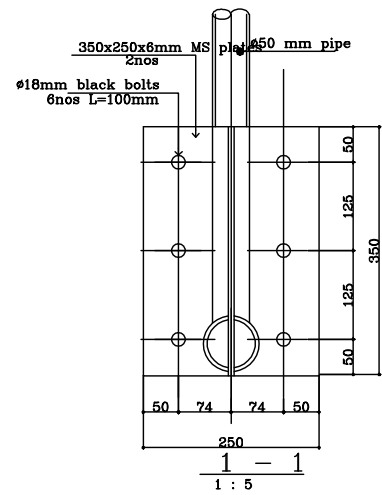
Z-PURLIN DETAIL
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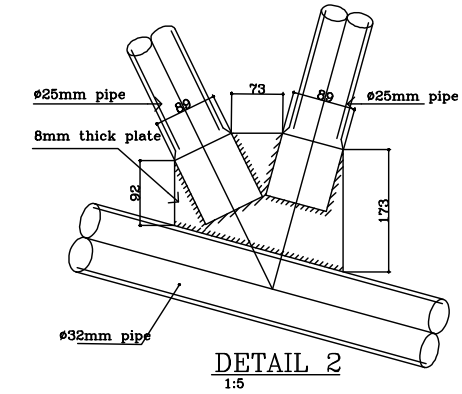
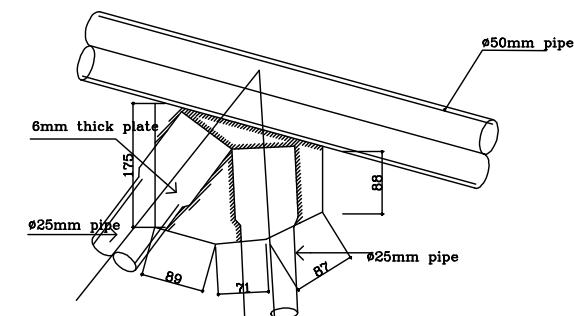
Section B - B
1:10



DETAIL 4
1:5



DETAIL 1
1:5



DETAIL 2
1:5

General Notes

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9. All dimensions are in mm.

No.	Revision/Issue	Date

Client:

 Shreerajendra Agro Industries Limited
 P.o.Box 2760
 Mwanza

Consultants:

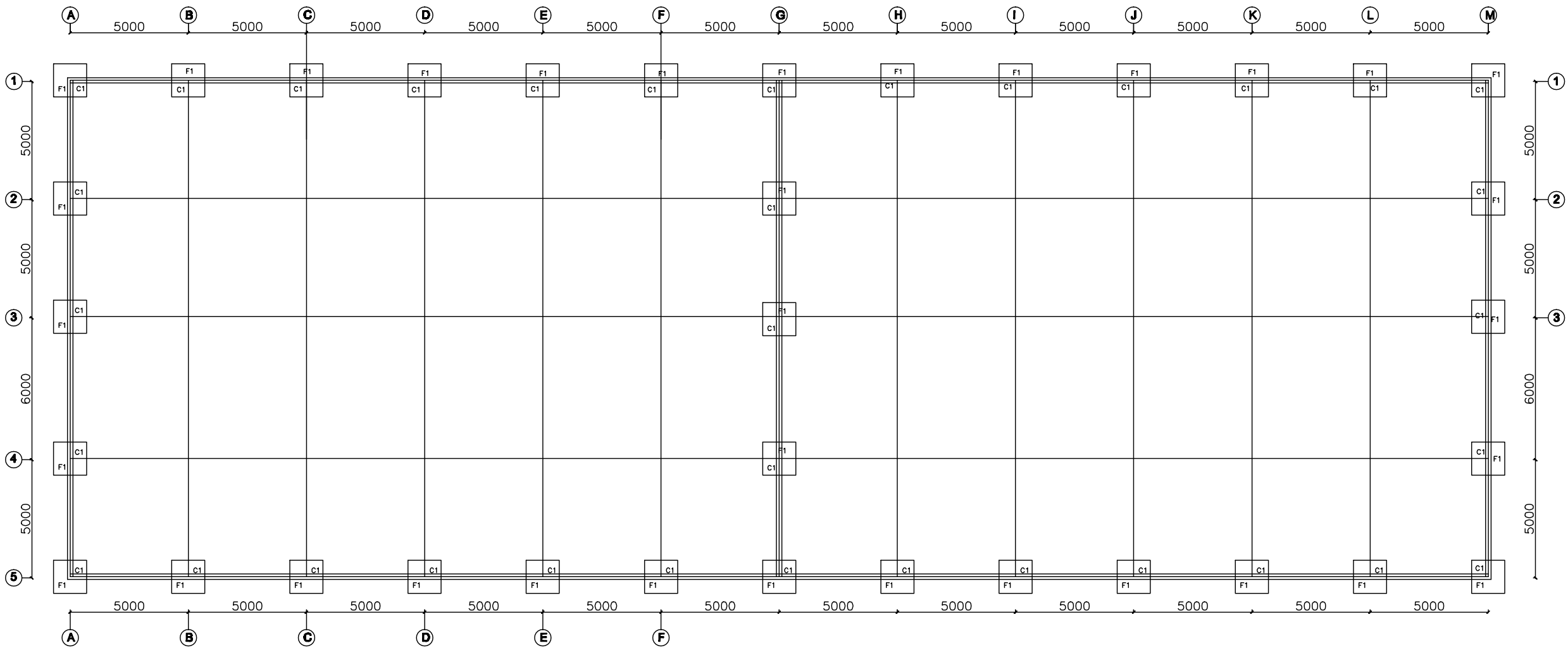
Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

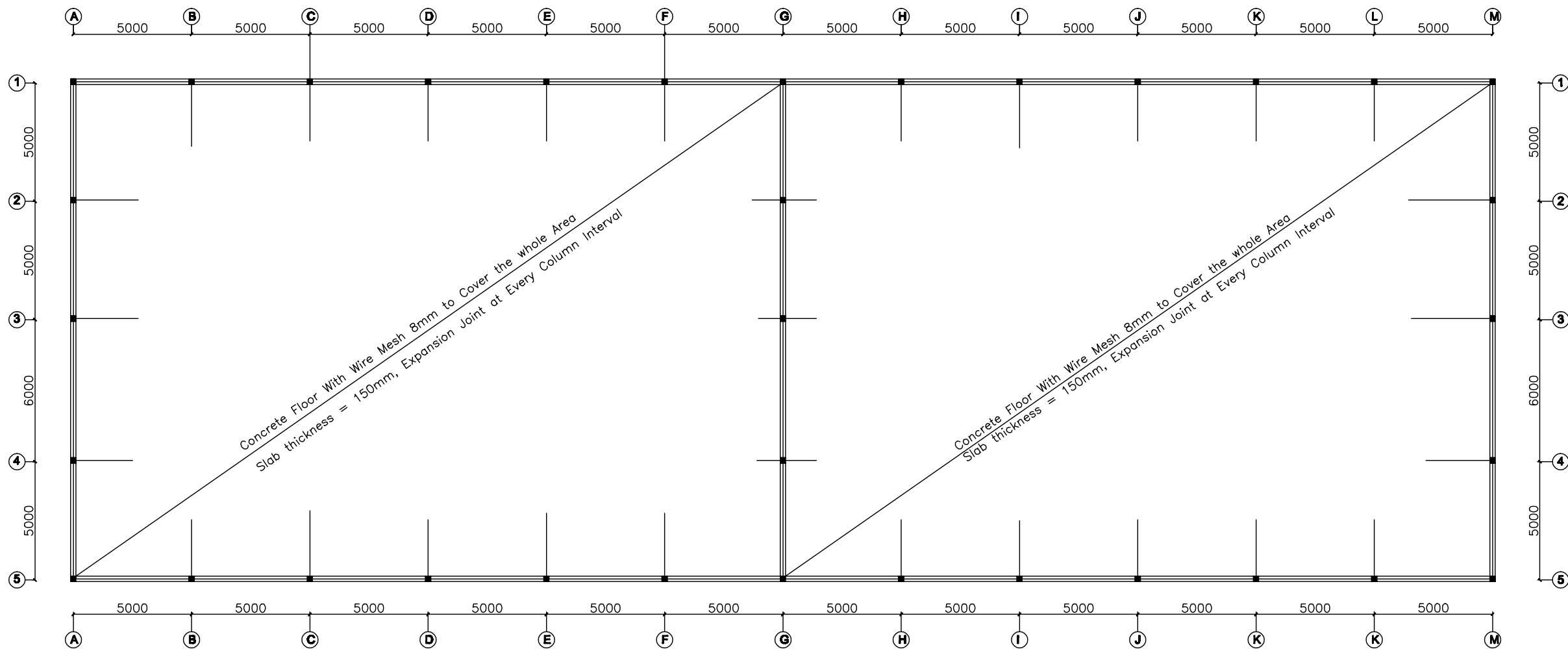
Drawing title:
Foundation Plan

ANALYSIS & DETAILING:
 Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



FOUNDATION LAYOUT PLAN



COLUMNS LAYOUT PLAN

General Notes

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No.	Revision/Issue	Date

Client:

Shreerajendra Agro Industries Limited
P.o.Box 2760
Mwanza

Consultants:

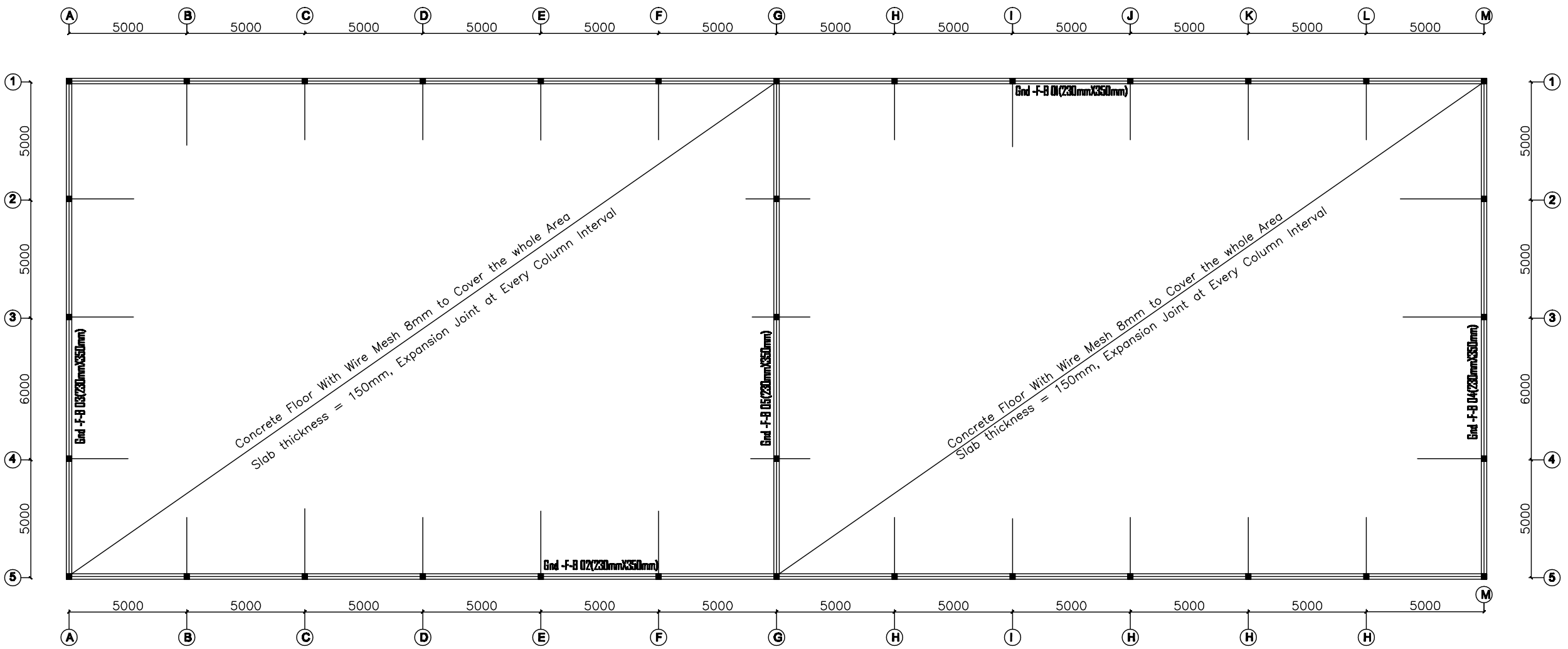
Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Column Layout Plan

ANALYSIS & DETAILING:
Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



GROUND FLOOR LAYOUT PLAN

General Notes

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No.	Revision/Issue	Date

Client:
 Shreerajendra Agro Industries Limited
 P.o.Box 2760
 Mwanza

Consultants:

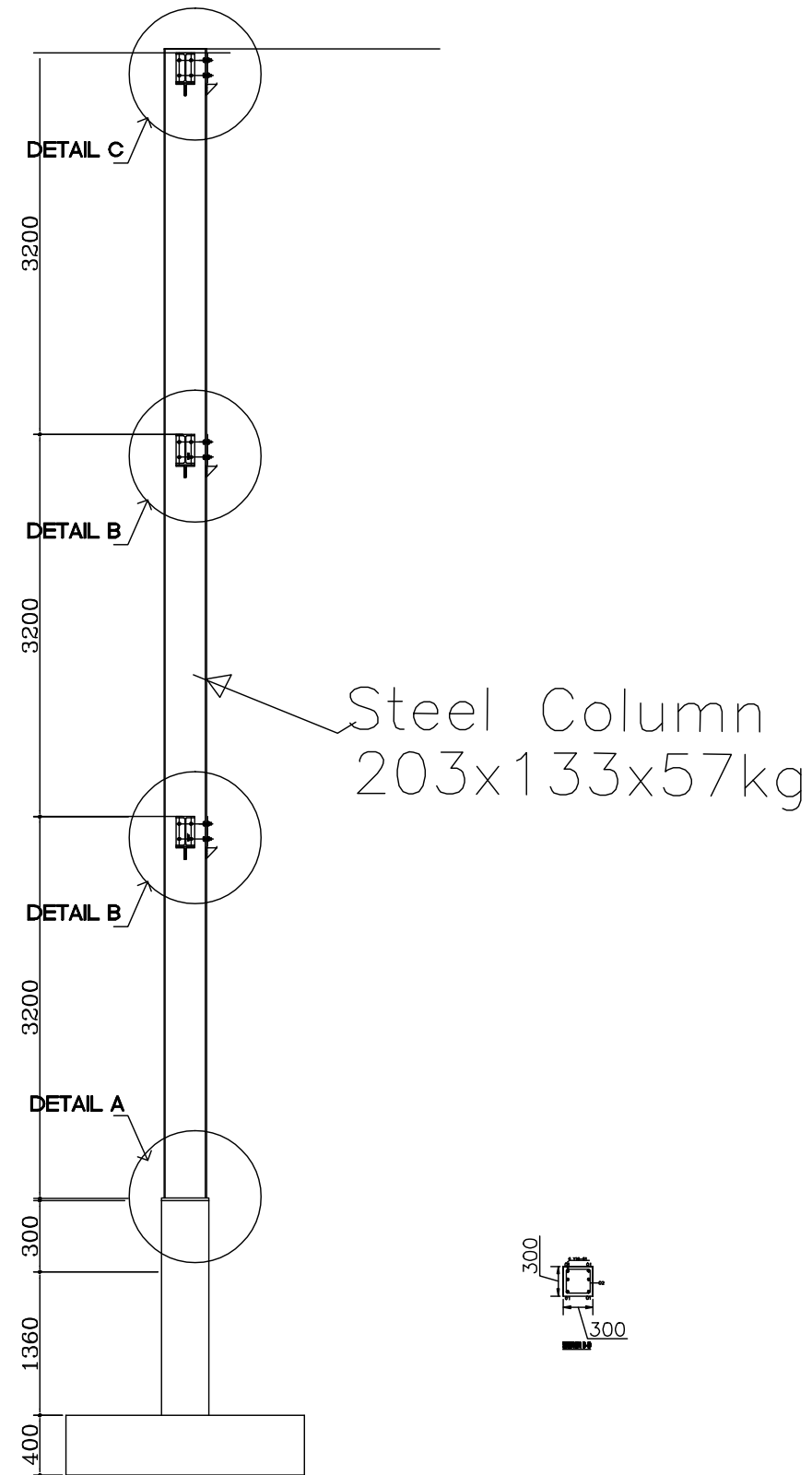
Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Beam Layout Plan

ANALYSIS & DETAILING:
 Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



General Notes

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Client:

Shreerajendra Agro Industries Limited
P.o.Box 2760
Mwanza

Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NG'AMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Column Details

ANALYSIS & DETAILING:		
DRAWN BY:	CHECKED BY:	DATE:
Eng. Japhet S.		JUNE, 2024
SCALE:	DRAWING NO:	REVISION:
1:125		

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Client:

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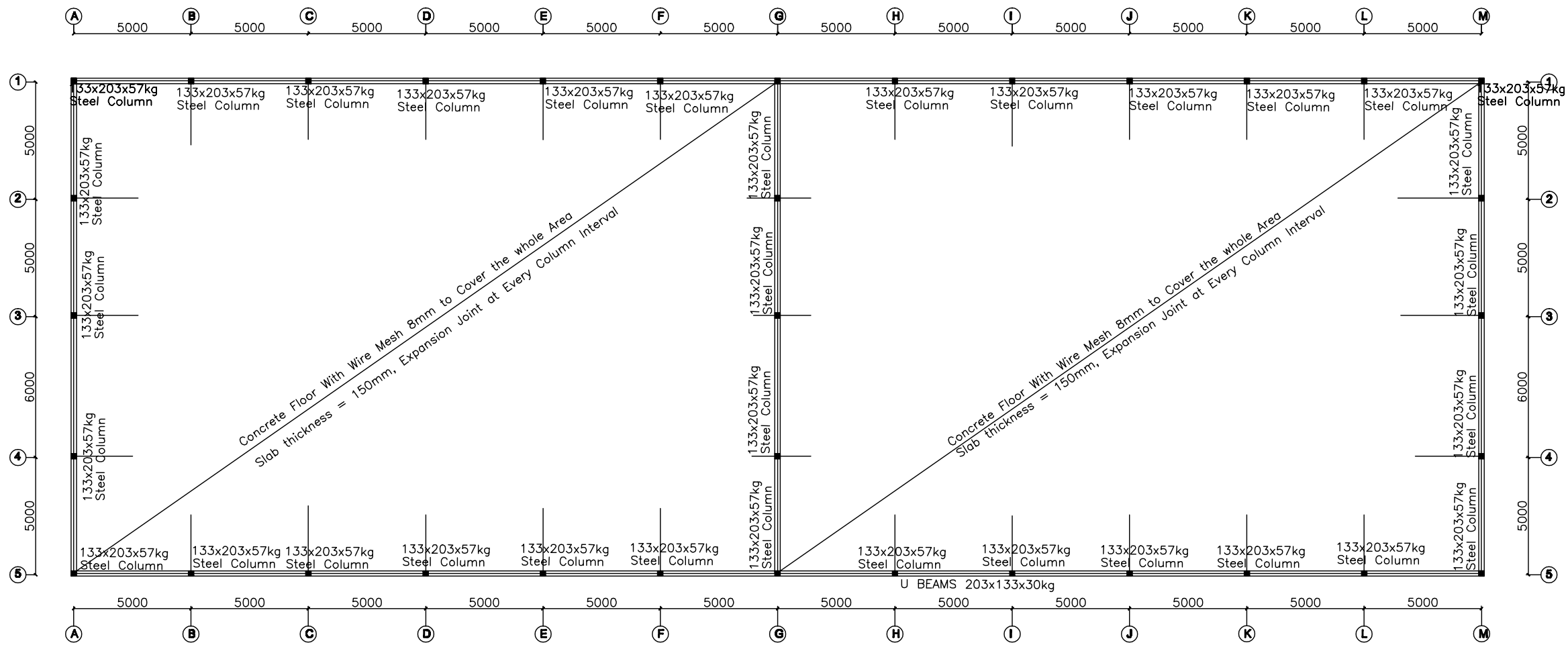
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Project Name:
Proposed Construction of Cotton Industry to be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

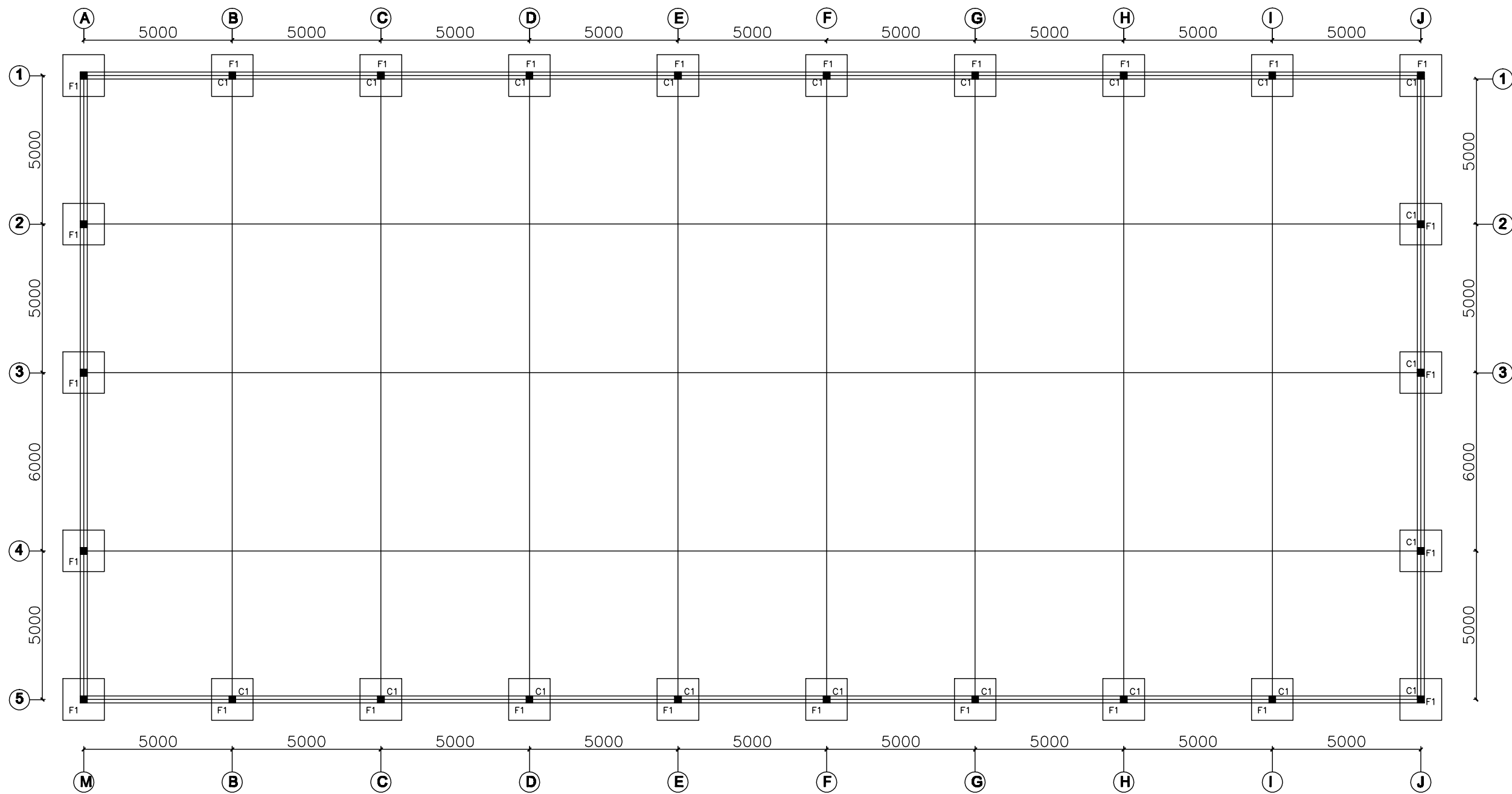
Building Type:
Industry Building

Drawing title:
Column & Beam plan

ANALYSIS & DETAILING:		
Eng. Japhet S.		
DRAWN BY:	CHECKED BY:	DATE:
Eng. Japhet S.		JUNE, 2024
SCALE:	DRAWING NO	REVISION:
1:125		



COLUMNS & BEAMS LAYOUT PLAN



FOUNDATION LAYOUT PLAN

General Notes

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No.	Revision/Issue	Date

Client:
 Shreerajendra Agro Industries Limited
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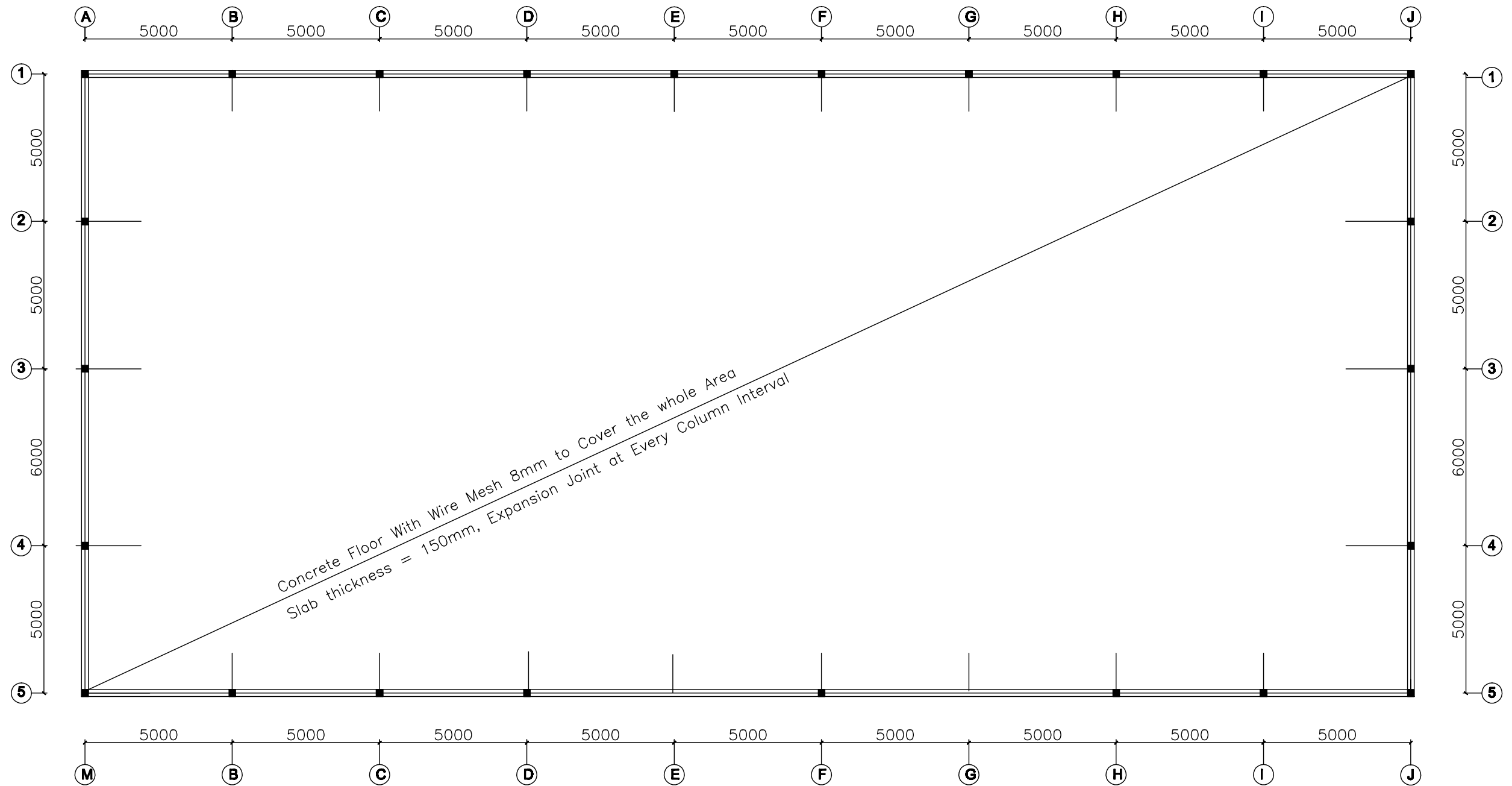
Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Foundation Plan

ANALYSIS & DETAILING: Eng. Japhet S.		
DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



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Client:

 Shreerajendra Agro Industries Limited
 P.o.Box 2760
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Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

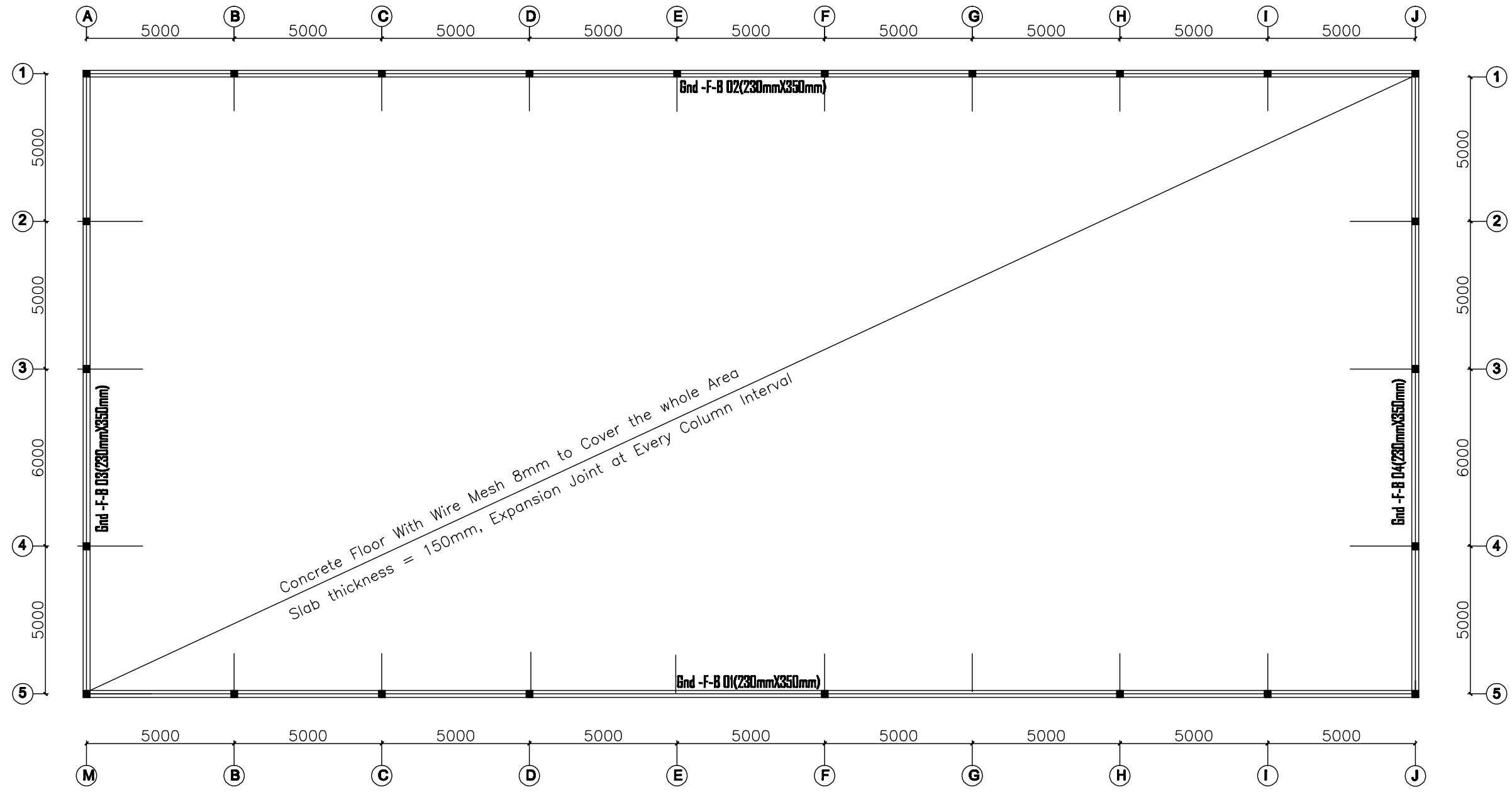
Building Type:
Industry Building

Drawing title:
Column Layout Plan

ANALYSIS & DETAILING:
 Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
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SCALE: 1:125	DRAWING NO:	REVISION:
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GROUND FLOOR BEAM LAYOUT PLAN

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No.	Revision/Issue	Date

Client:

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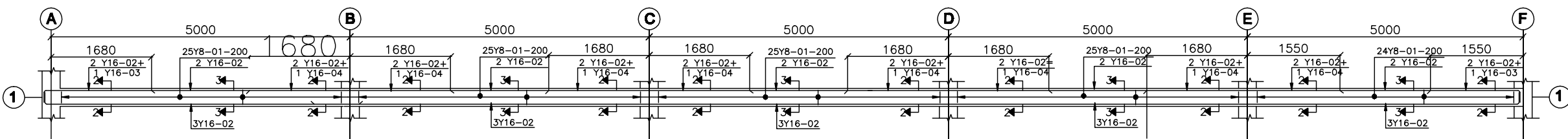
Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

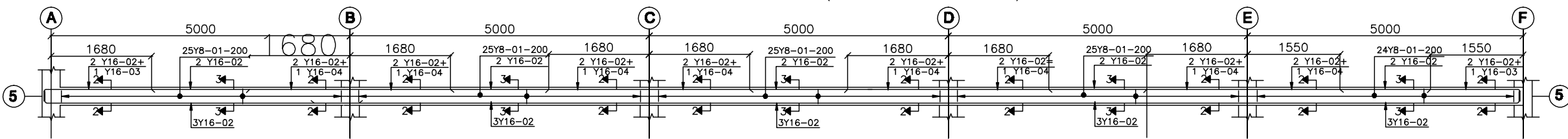
Building Type:
Industry Building

Drawing title:
Beam Layout Plan

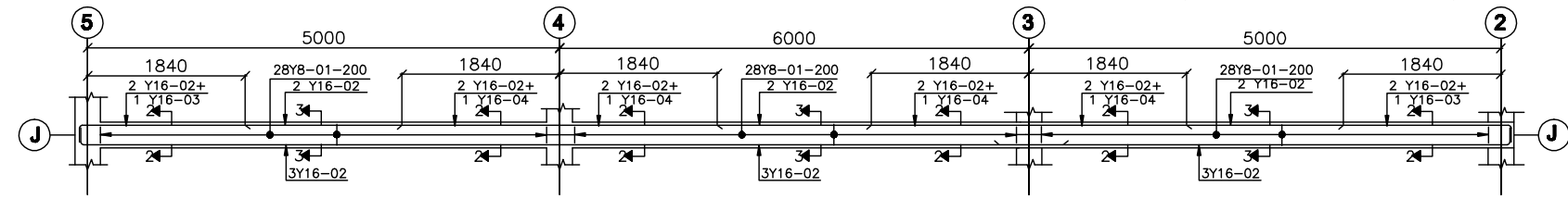
ANALYSIS & DETAILING: Eng. Japhet S.		
DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



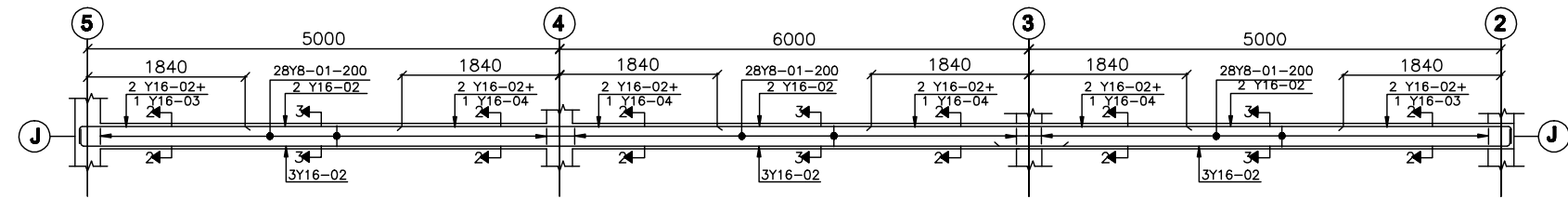
Gnd-F-B 01(230mm X 350mm)



Gnd-F-B 02(230mm X 350mm)



Gnd-F-B 03(230mm X 350mm)



Gnd-F-B 04(230mm X 350mm)

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Client:

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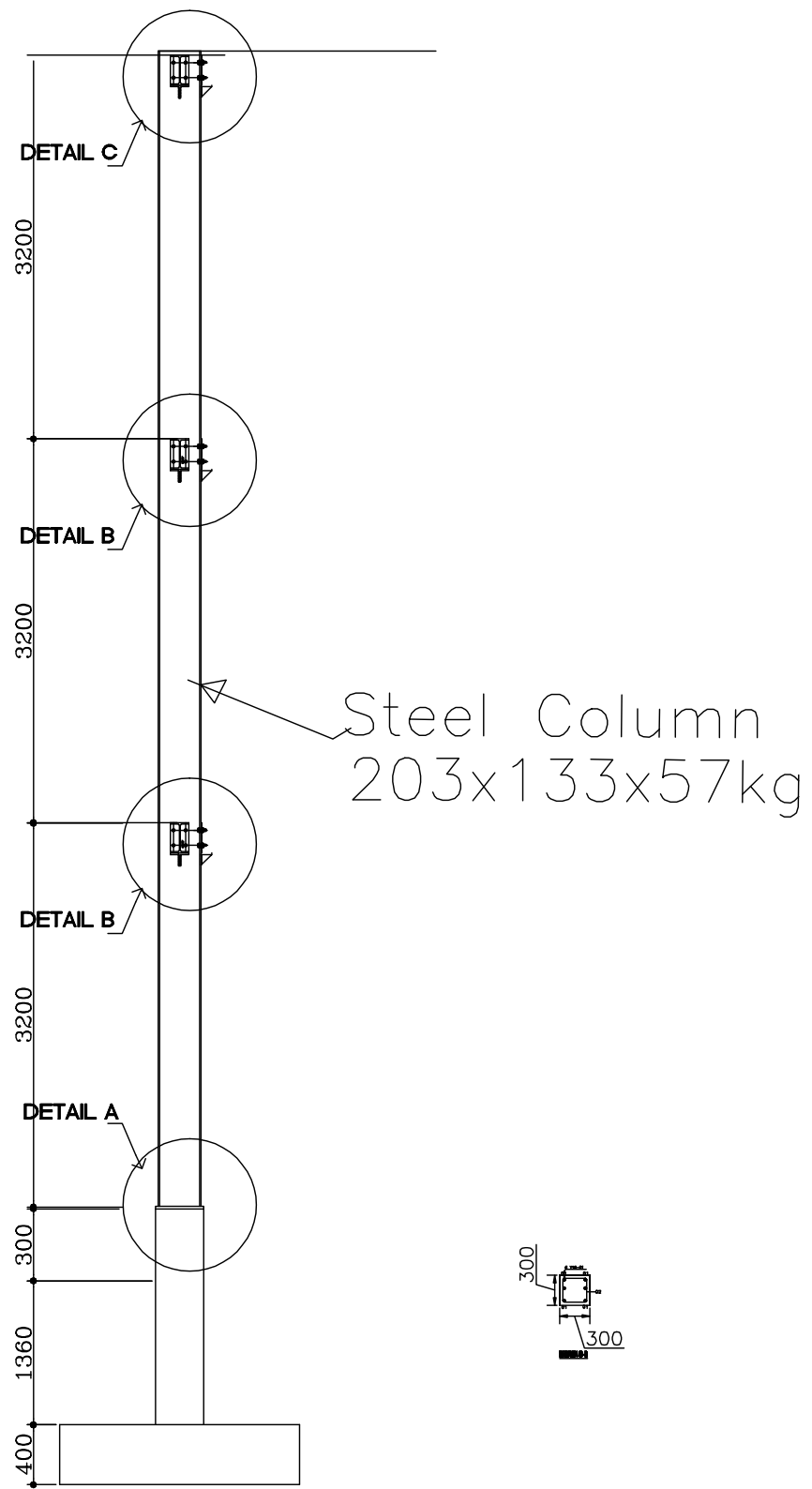
Consultants:

Project Name:
Proposed Construction of Cotton Industry to be Built at Plot No '1' Block 'F' at NGAMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Beam Details

ANALYSIS & DETAILING: Eng. Japhet S.		
DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION:



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Client:

Shreerajendra Agro Industries Limited
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Consultants:

Project Name:
Proposed Construction of Cotton Industry to Be Built at Plot No '1' Block 'F' at NG'AMI INDUSTRY AREA.

Building Type:
Industry Building

Drawing title:
Column Details

ANALYSIS & DETAILING:
Eng. Japhet S.

DRAWN BY: Eng. Japhet S.	CHECKED BY:	DATE: JUNE, 2024
SCALE: 1:125	DRAWING NO:	REVISION: