

NOTES

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- 3.0 The contractor check and verify all the dimensions before commencement of works

CONSTRUCTION

- 1.0 All slabs concrete at the ground level to be poured over 1000 gauge polythene sheeting on 50mm thick stone dust blinding on hardcore
- 2.0 All soils under slab and all around external foundation to be treated for termites

STRUCTURAL

- 1.0 All black cotton soils to be removed from below all buildings and paved surfaces
- 2.0 Building to be clear of all black cotton soils to a distance of 3m outside perimeter
- 3.0 All paved surfaces to be cleared of all black cotton soils at a distance of 500mm outside the edge of the surfaces. For all R.C works refer to structural eng. details
- 4.0 Depth of the foundation to be determined on site to S.Es Approval
- 5.0 All walls less than 200mm thick to be reinforced with hoop irons at every alternate course
- 6.0 All adjacent R.C Works and Masonry walls to be tied with strap irons at every course

MECHANICAL & ELECTRICAL

- 1.0 All Mechanical and Electrical Works to be undertaken as per the M.E and EE detailed drawings.
- 2.0 All Mechanical and Electrical Works to be approved and tested as per Engineer's Instructions.

REVISIONS

No.	Description	Date

Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

NATIONAL ENVIRONMENTAL MANAGEMENT AUTHORITY

Client Approval Signature

F.K.O

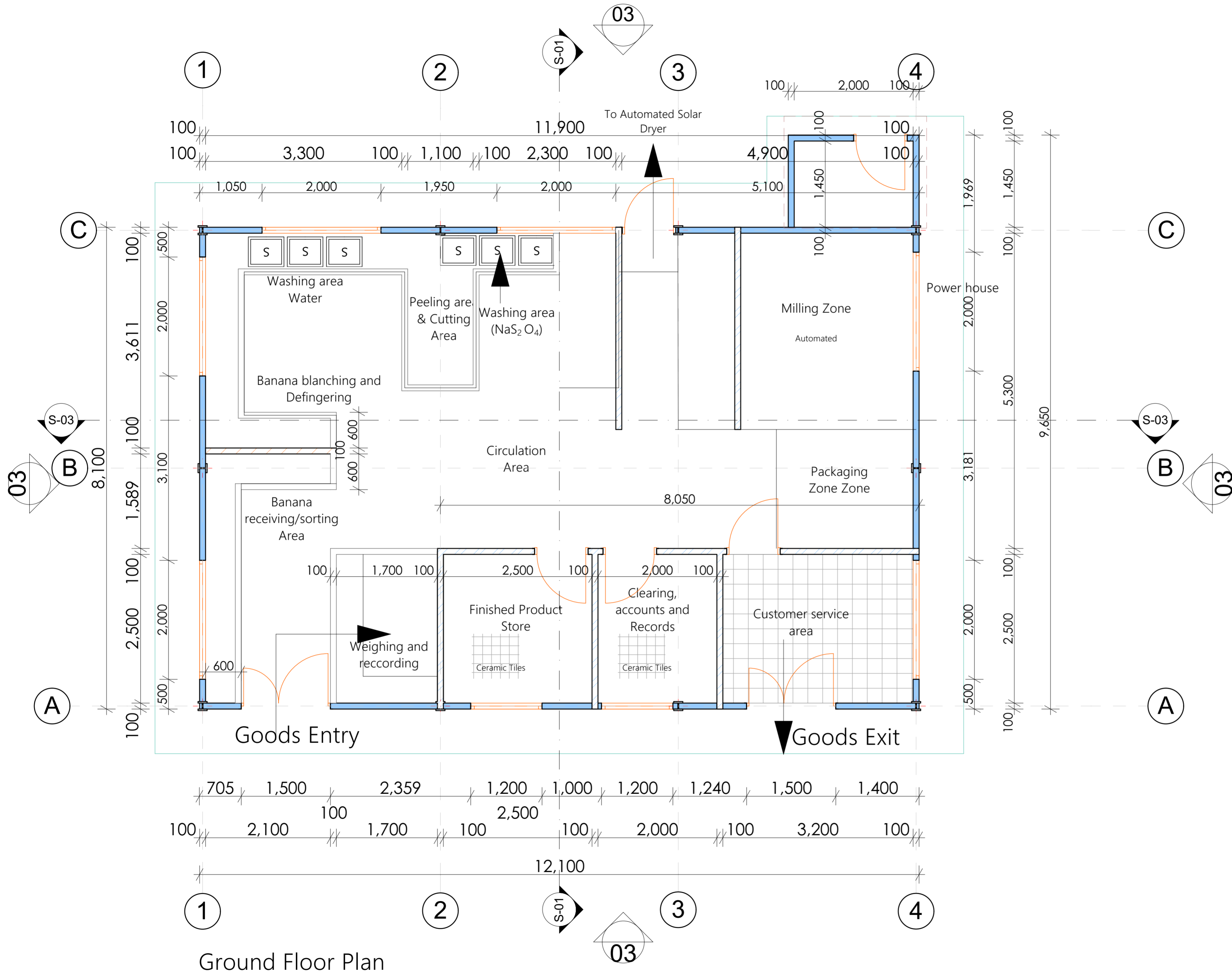
Dwg Name

SITE LAYOUT

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	G.A.S	F.K.O	

SITE LAYOUT PLAN





Ground Floor Plan

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NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

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Client Approval
Signature

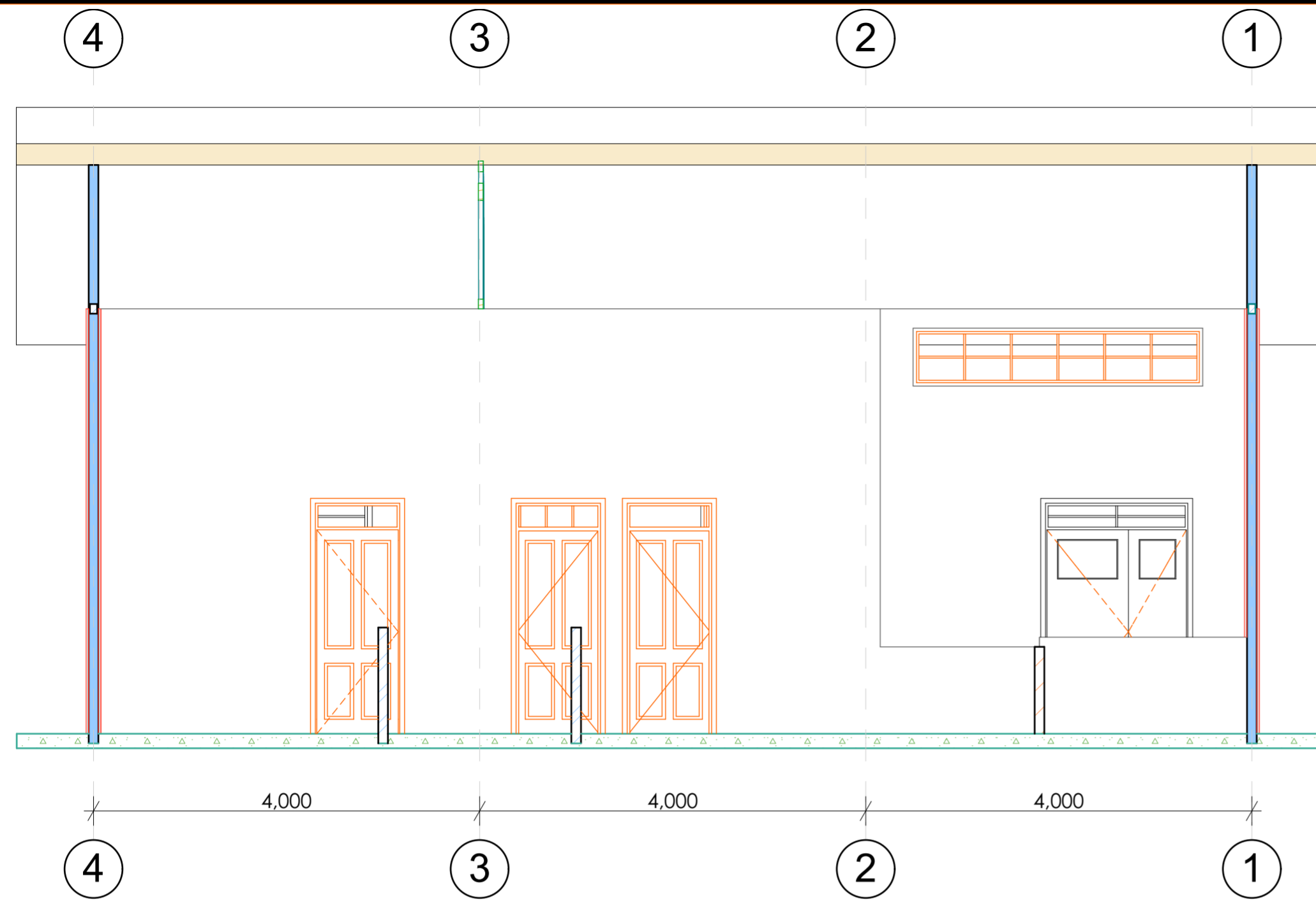
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Dwg Name

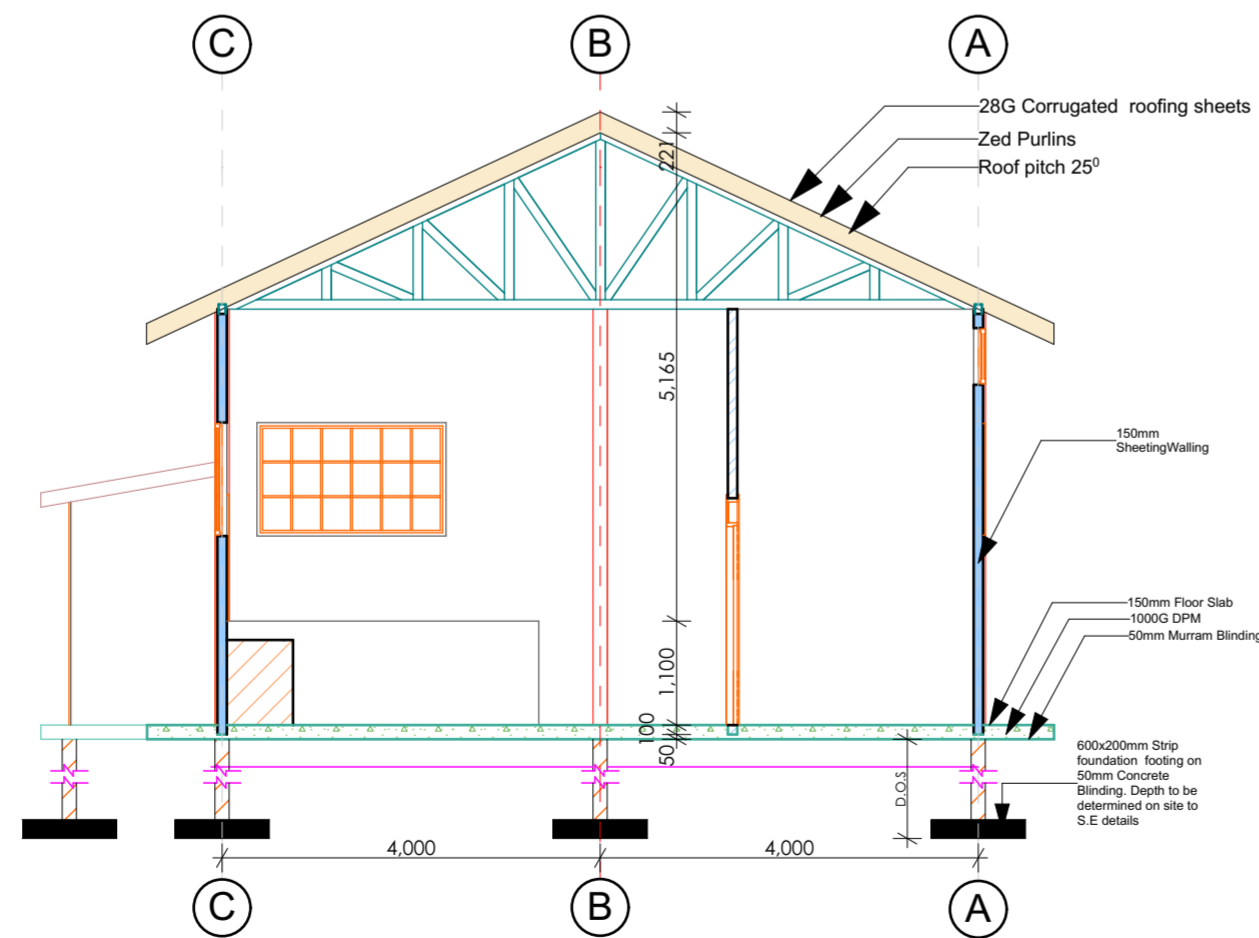
GROUND FLOOR PLAN

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	G.A.S	F.K.O	





Section 03



Section 01

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REVISIONS

No.	Description	Date

Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

NATIONAL ENVIRONMENTAL MANAGEMENT AUTHORITY

Client Approval Signature

F.K.O

Dwg Name

SECTIONS

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	G.A.S	F.K.O	



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REVISIONS

No.	Description	Date

Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

NATIONAL ENVIRONMENTAL
MANAGEMENT AUTHORITY

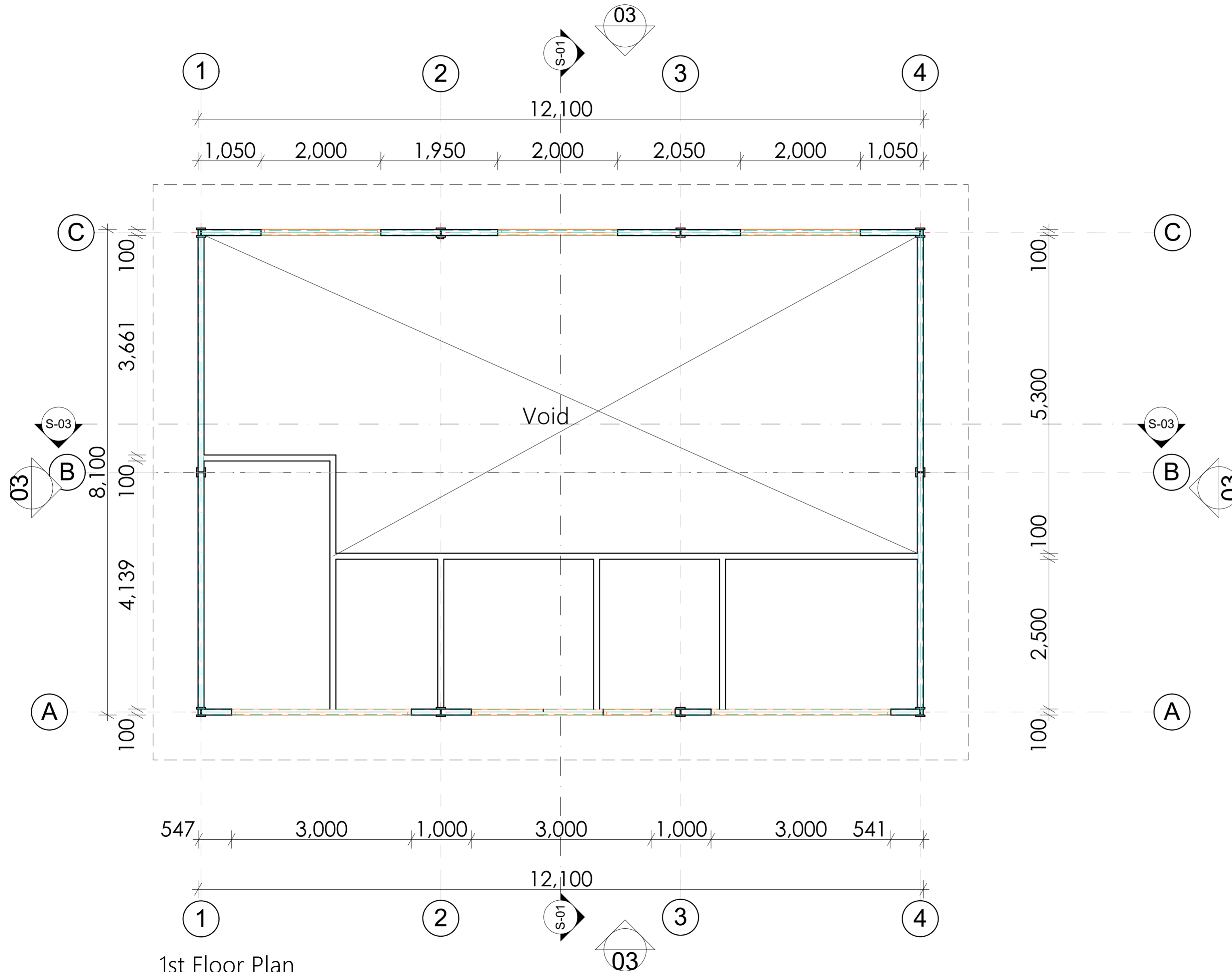
Client Approval
Signature

F.K.O

Dwg Name

FIRST FLOOR PLAN

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	G.A.S	F.K.O	



1st Floor Plan

NOTES

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REVISIONS

No.	Description	Date	By

Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

**NATIONAL ENVIRONMENTAL
MANAGEMENT AUTHORITY**

Client Approval
Signature

F.K.O

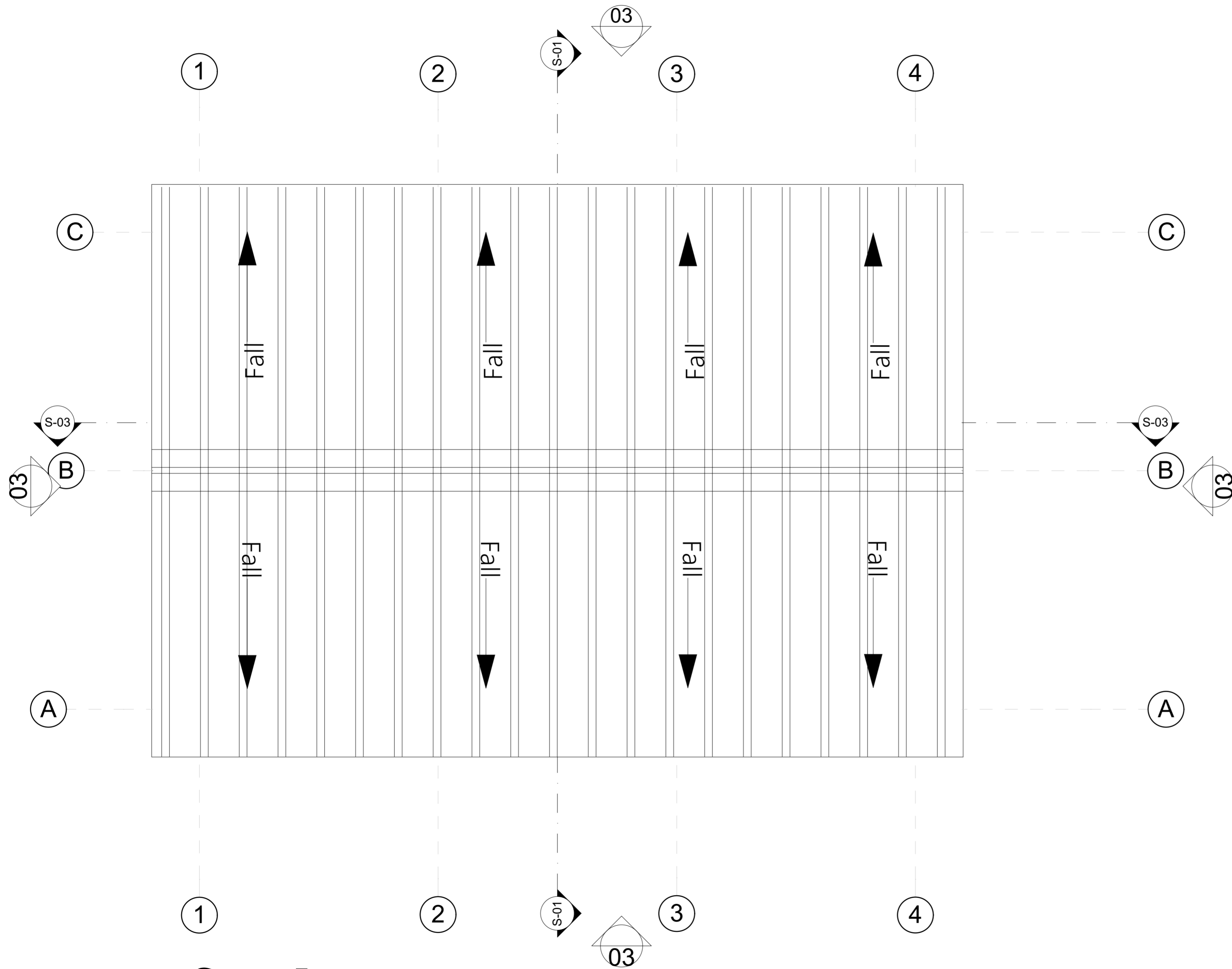
Dwg Name

ROOF PLAN

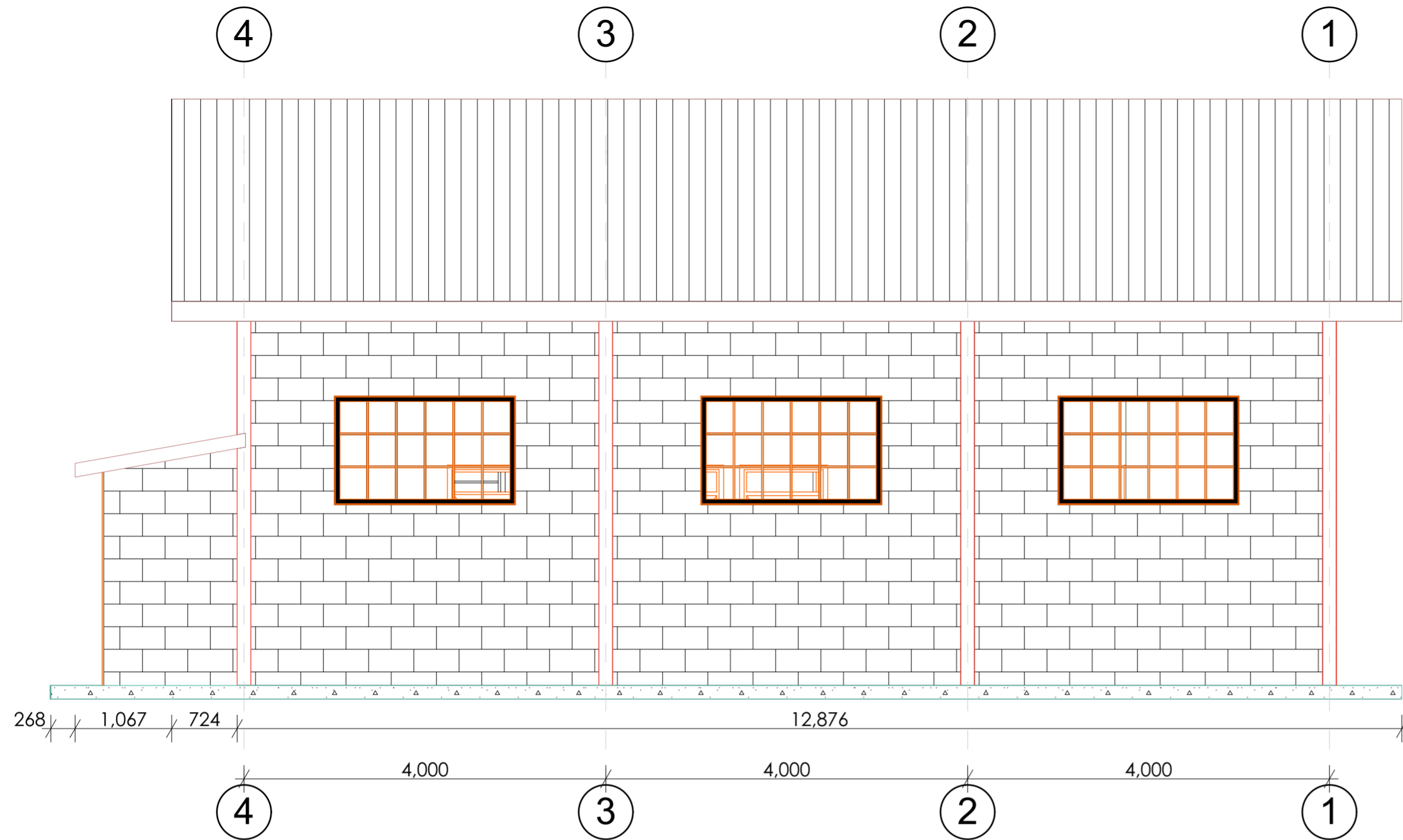
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As indicated	G.A.S	F.K.O		



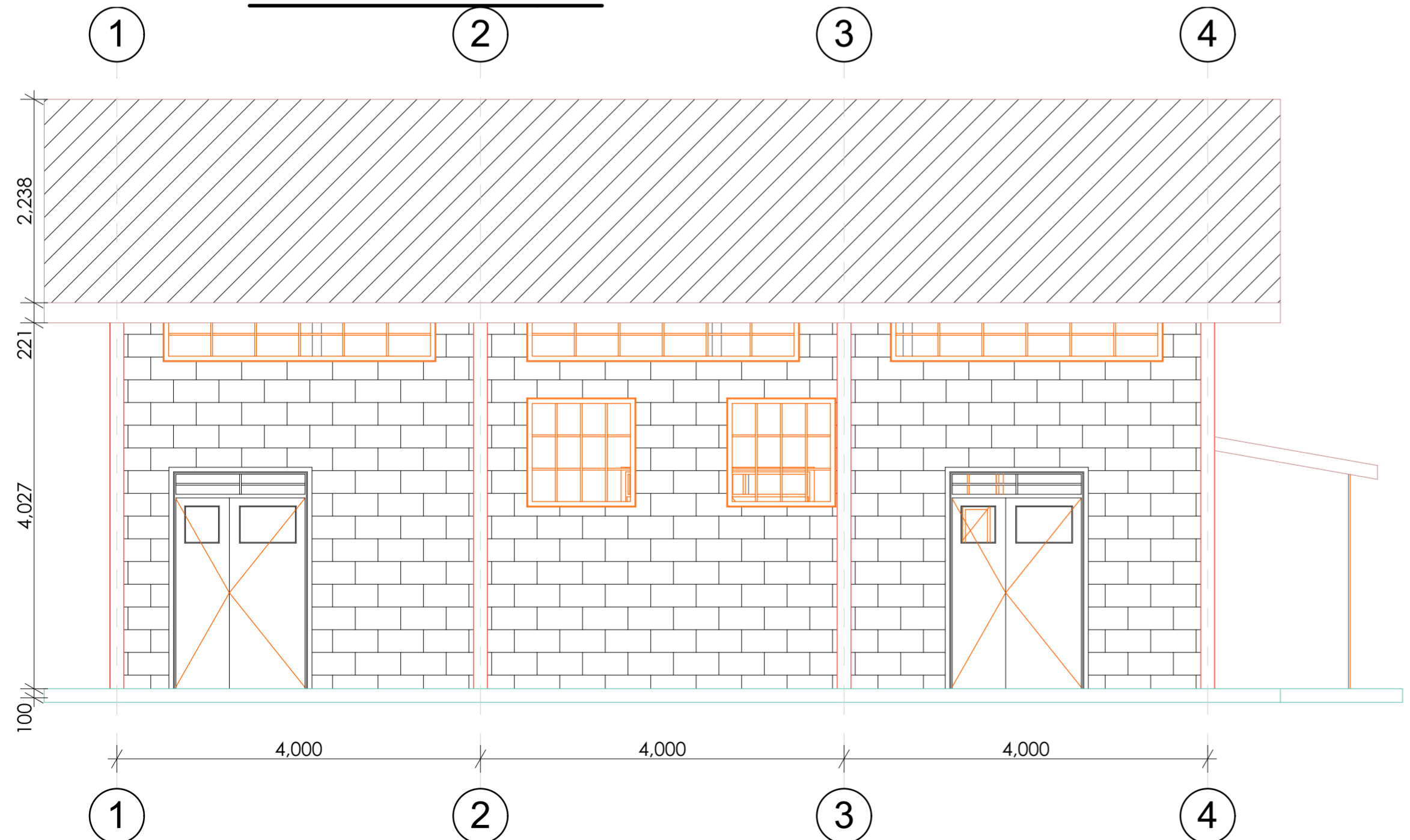
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mazingira yetu | ubi wetu | wajibu wetu



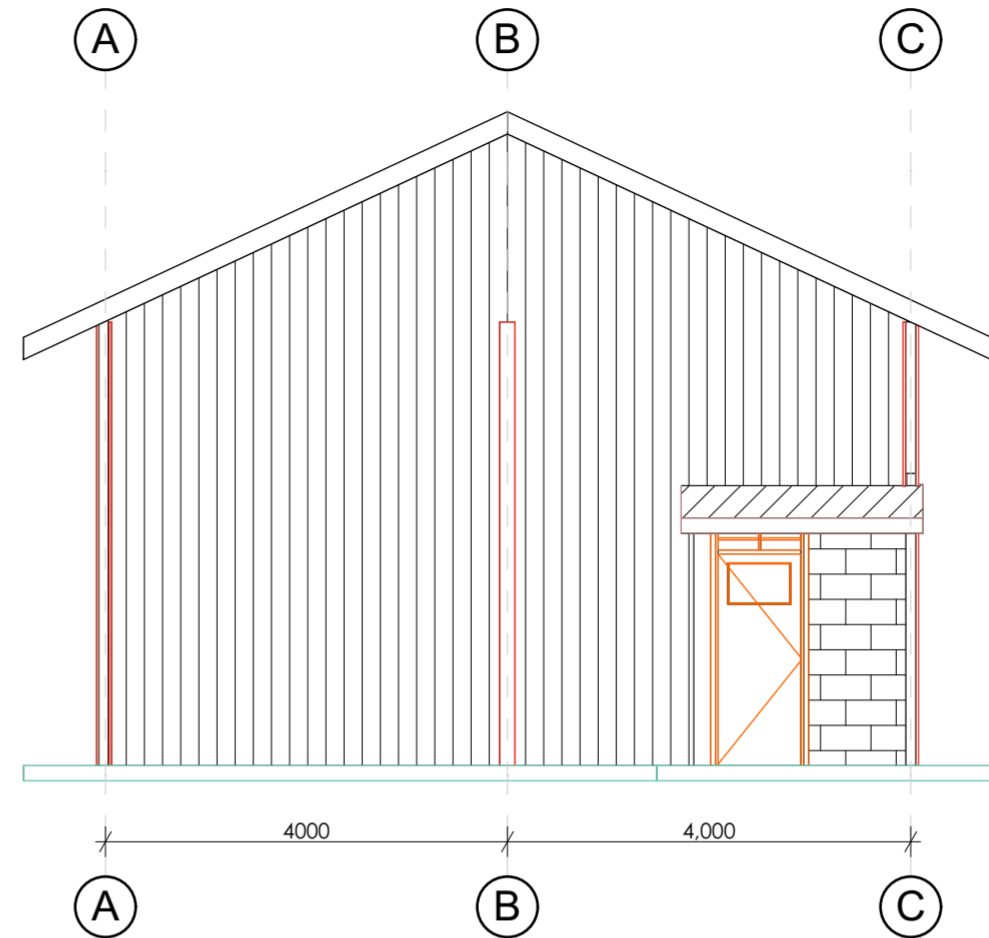
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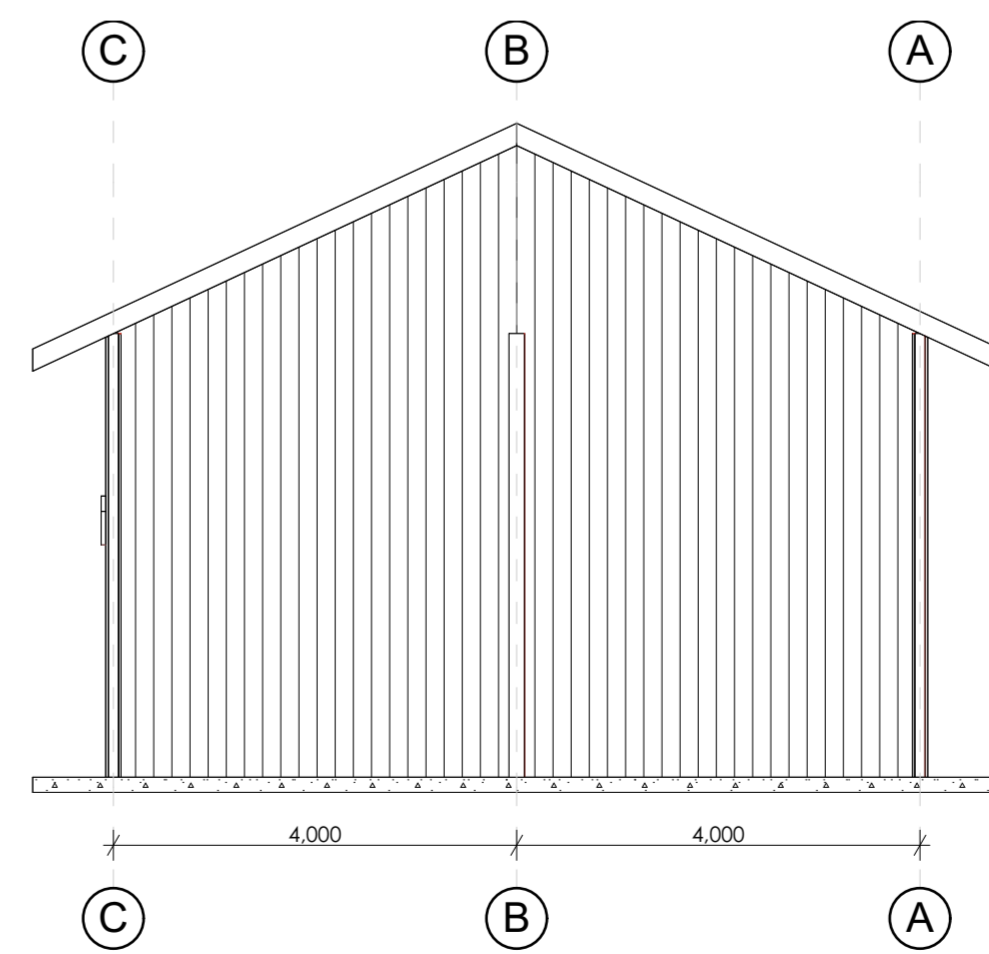
Elevation 01



ELEVATION 03



Elevation 02



Elevation 04

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REVISIONS

No.	Description

Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

NATIONAL ENVIRONMENTAL MANAGEMENT AUTHORITY

Client Approval Signature

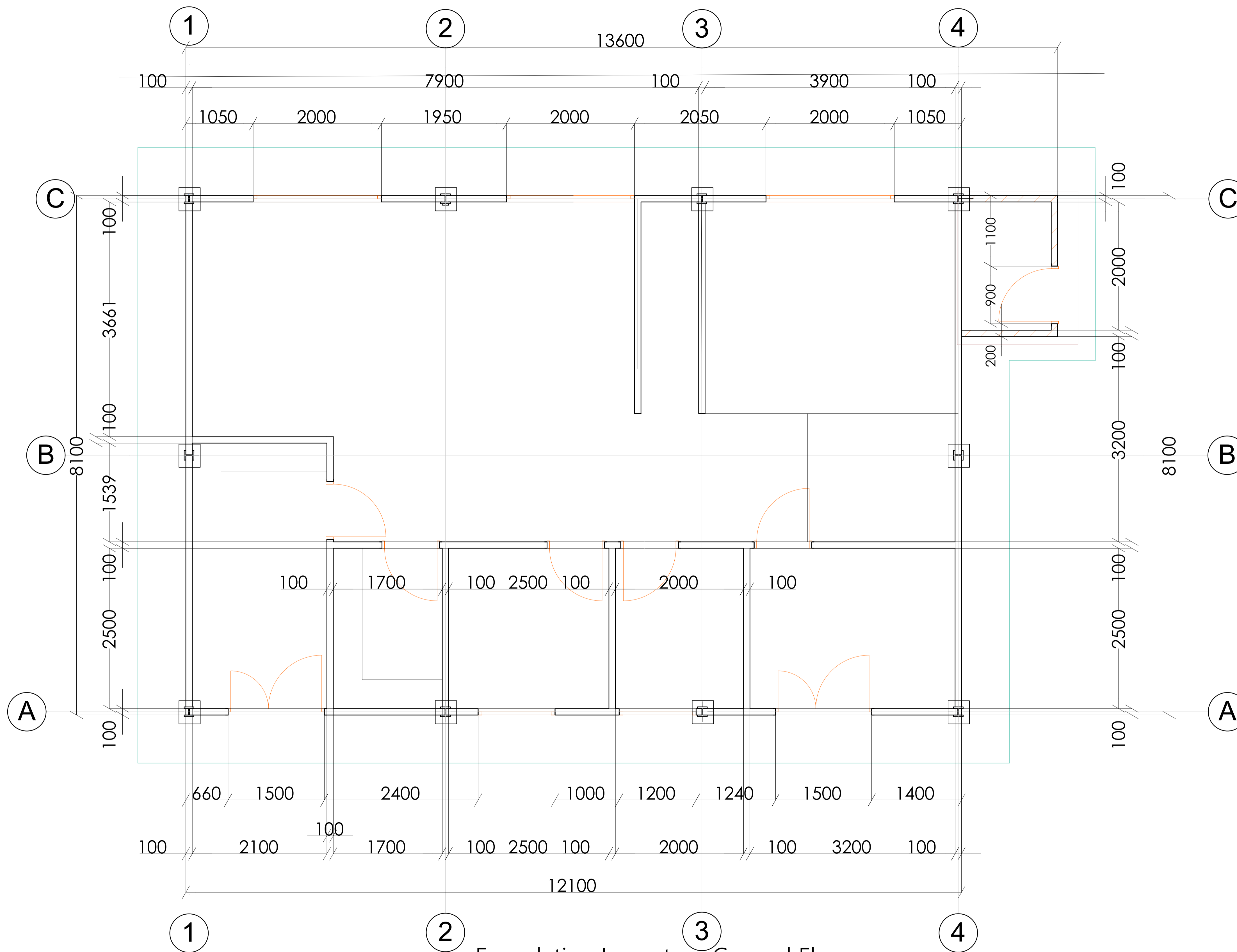
F.K.O

Dwg Name

ELEVATIONS

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	G.A.S	F.K.O	





Foundation Layout on Ground Floor

NOTES

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- 6.0 This drawing is to be read jointly with all the other drawings & details.

REVISIONS

No.	Description	Date

Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

LAKE BASIN DEVELOPEMENT AUTHORITY

Client Approval
Signature

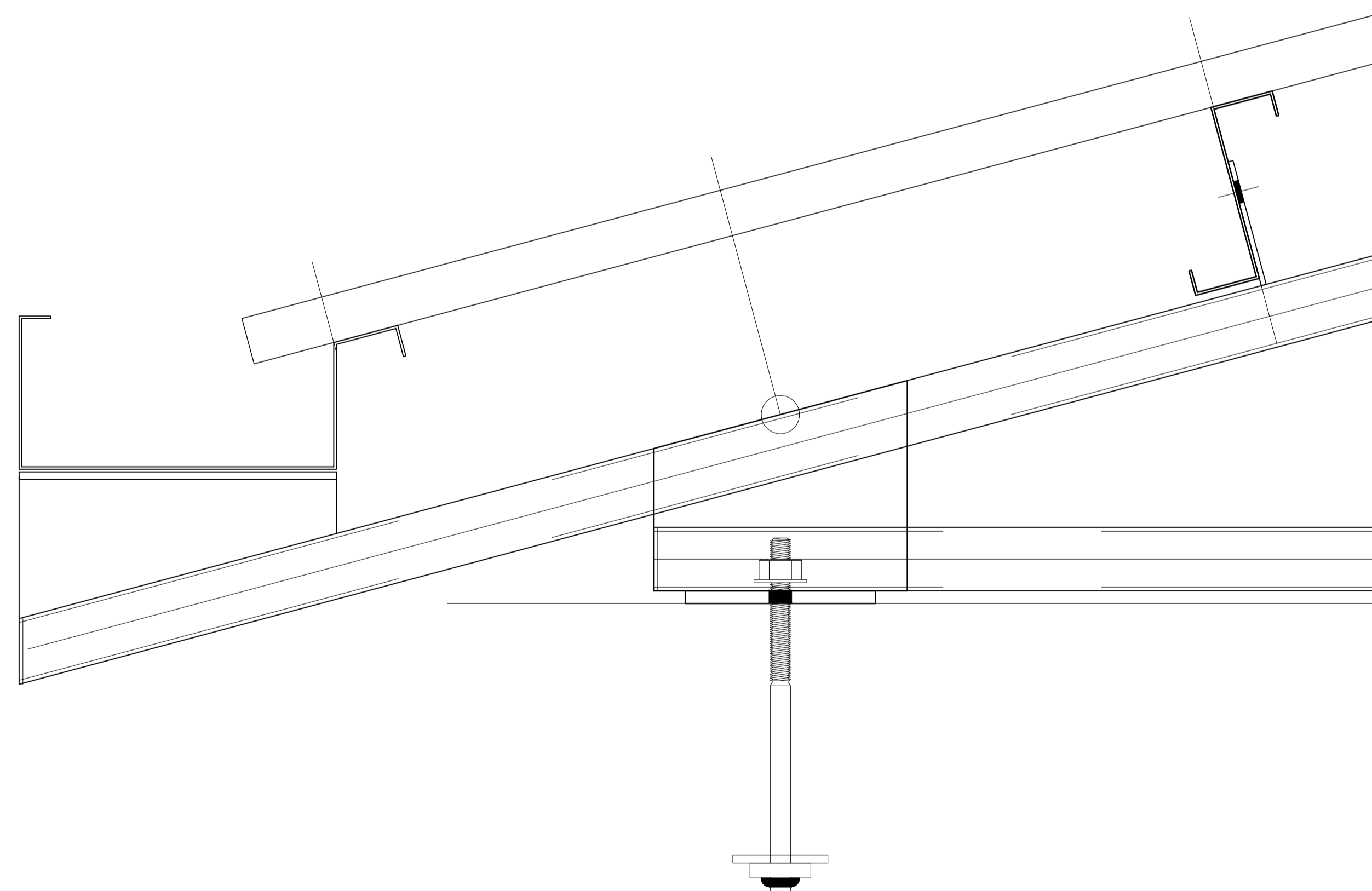
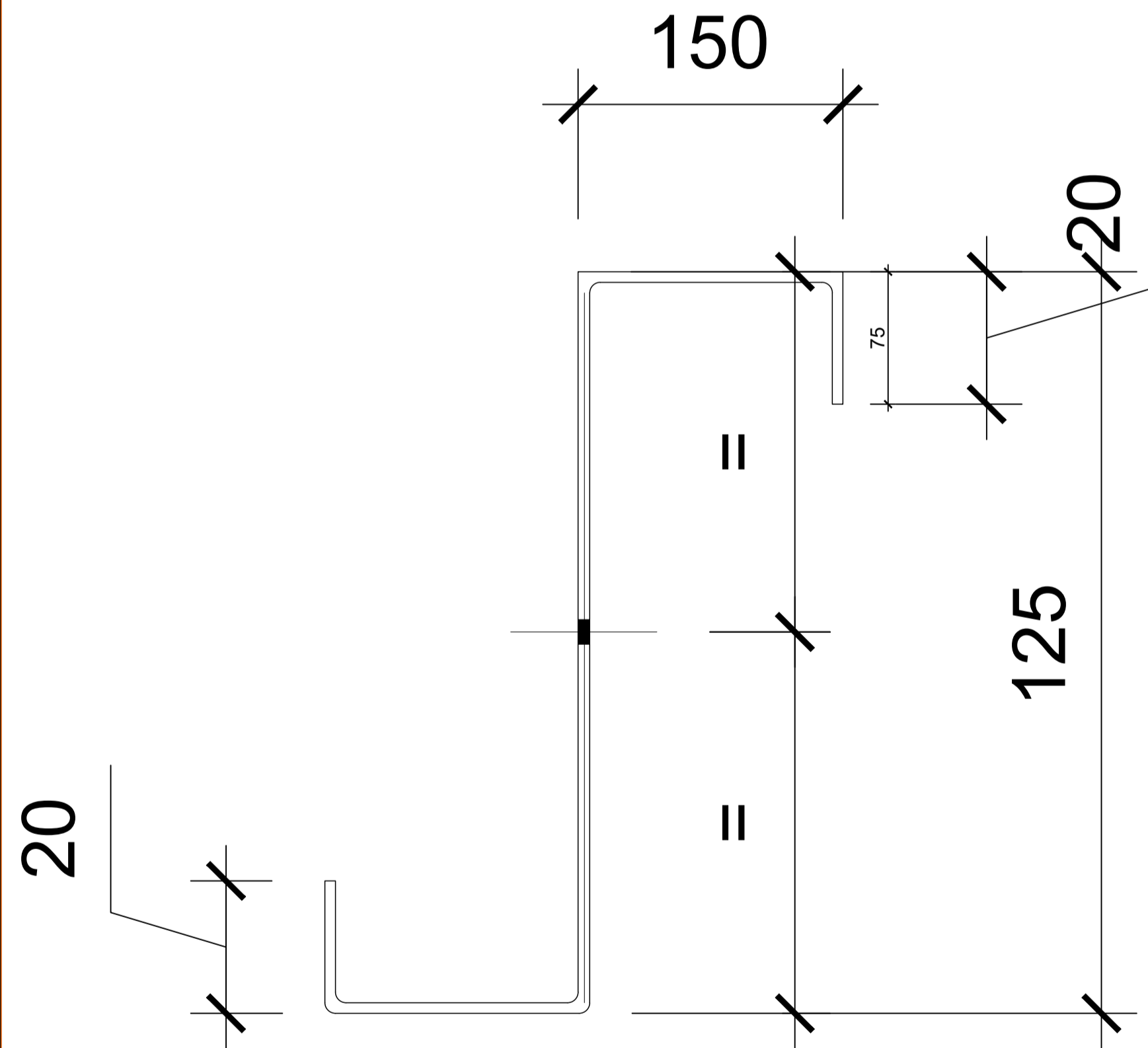
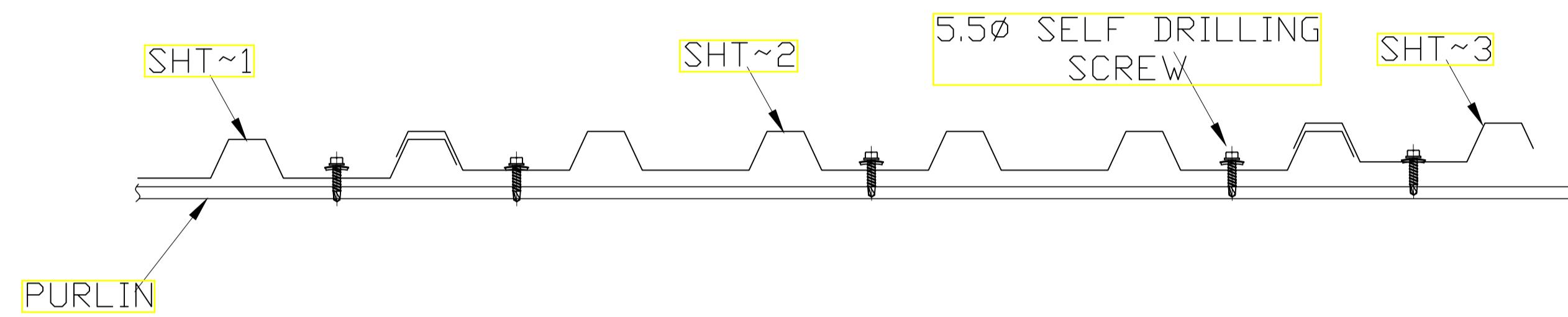
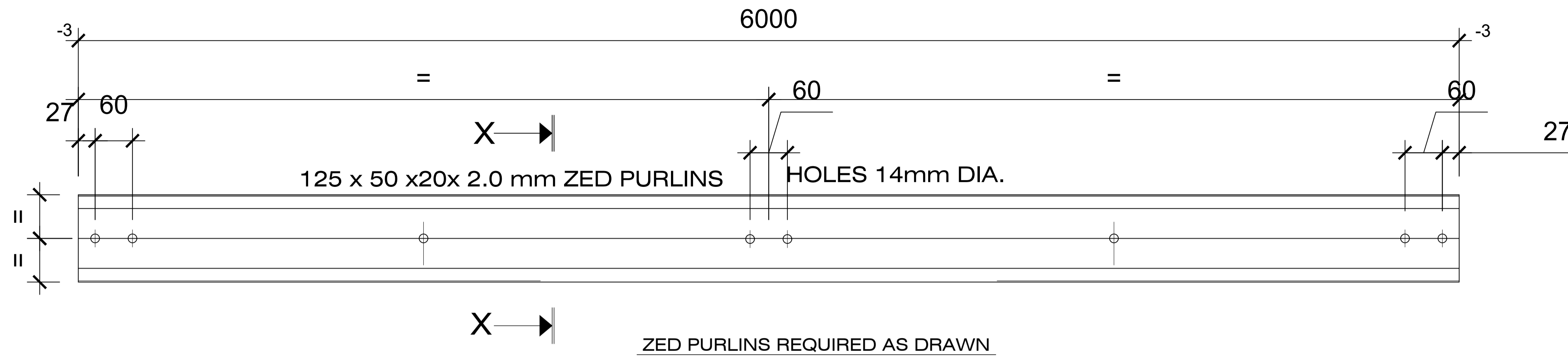
Dwg Name

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	F.K.O		



Dwg. No.
LBDA/2020/05/03

Sheet No.
1 of 1



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REVISIONS

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Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

LAKE BASIN DEVELOPEMENT AUTHORITY

Client Approval
Signature

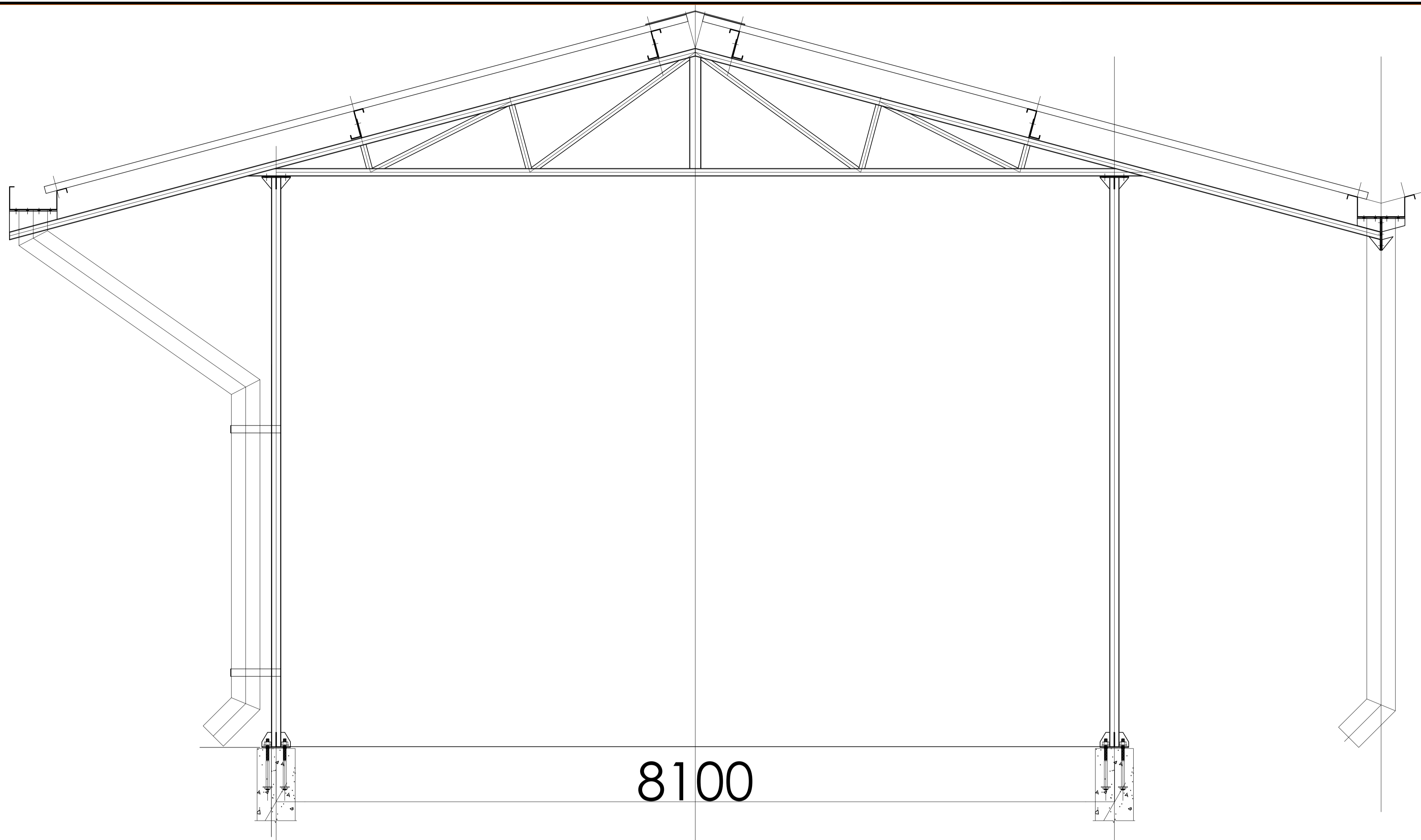
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Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	F.K.O		



Dwg. No.
LBDA/2020/05/03

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Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

LAKE BASIN DEVELOPEMENT AUTHORITY

Client Approval
Signature

Dwg Name

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	F.K.O		

Dwg. No.
LBDA/2020/05/03

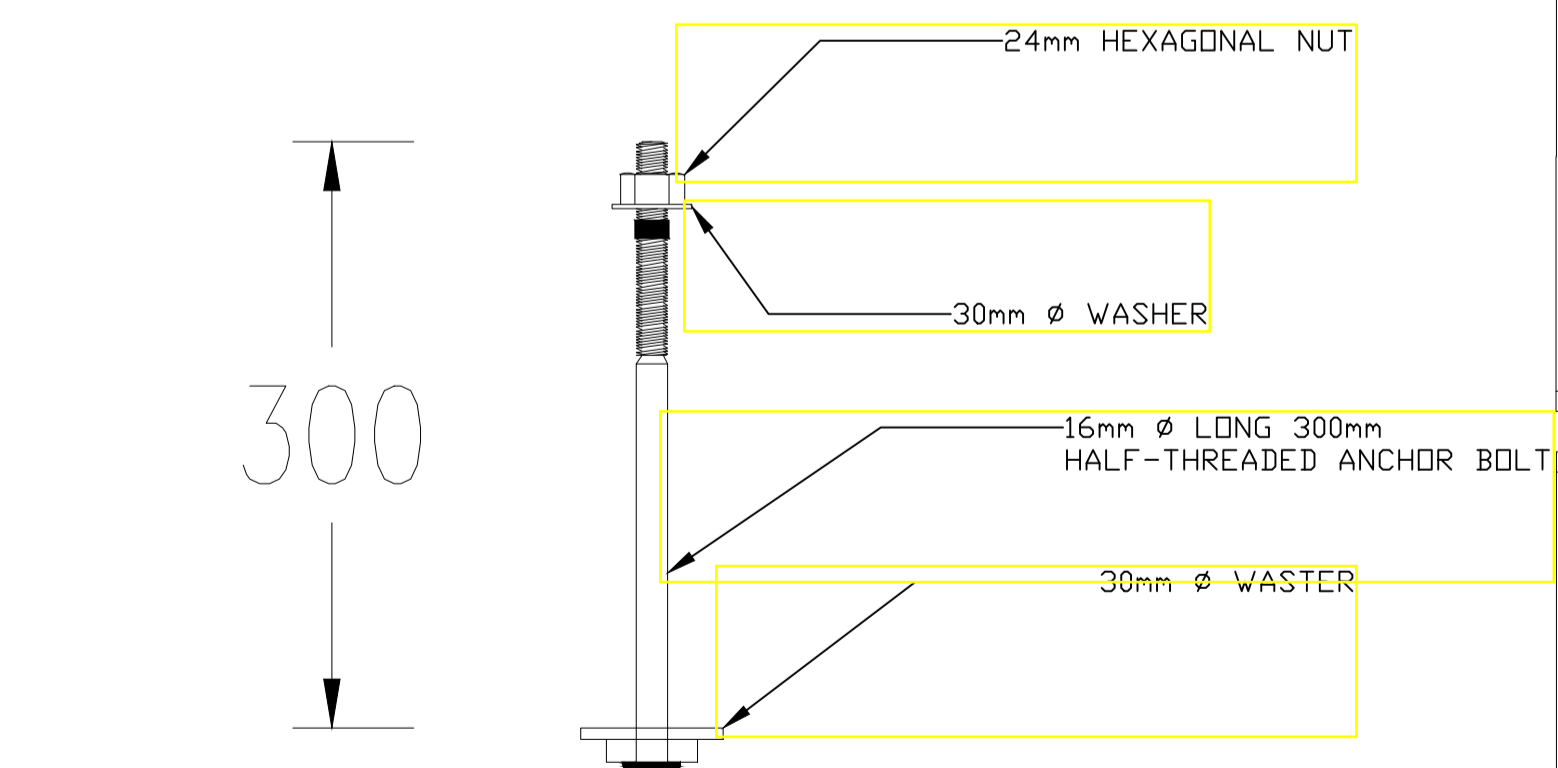
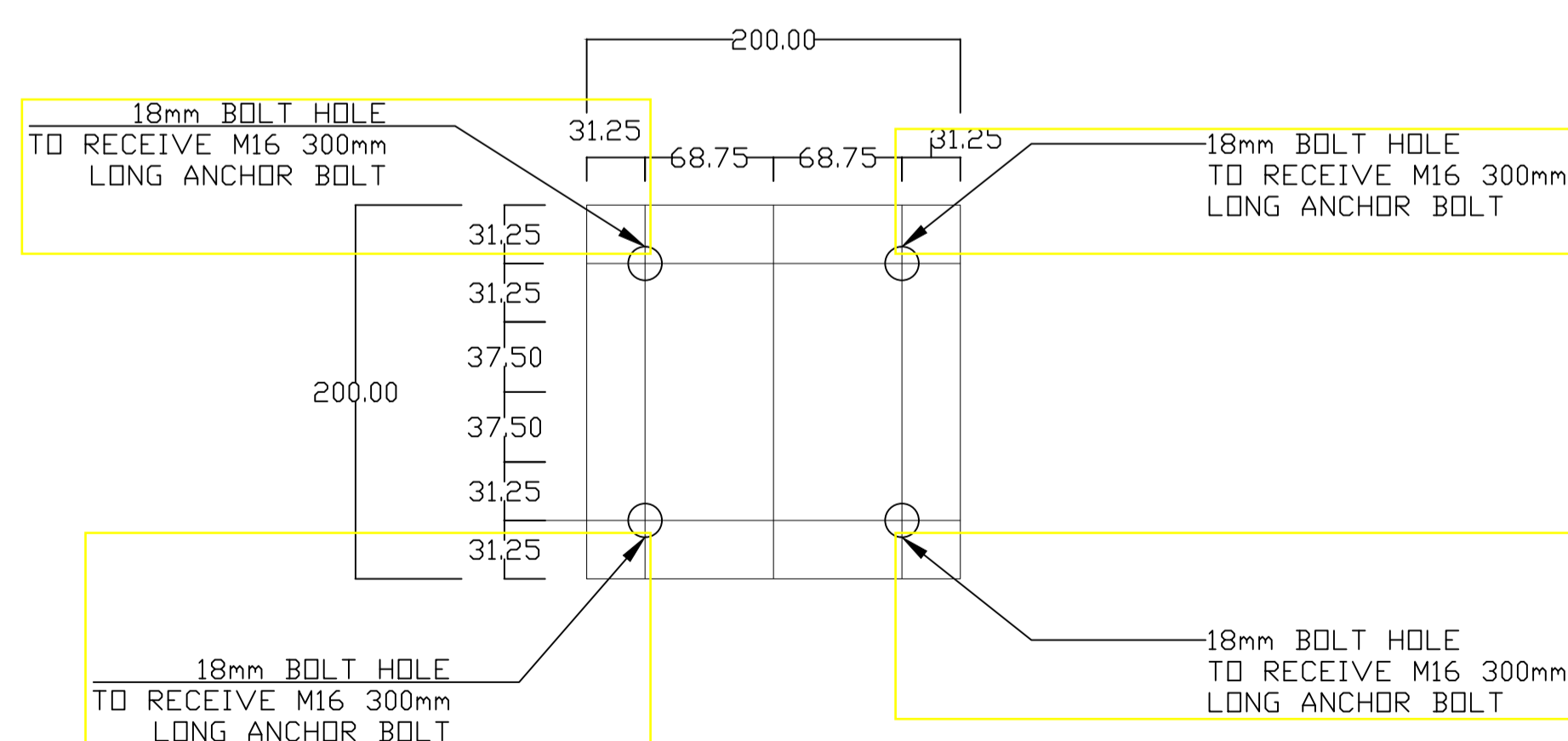
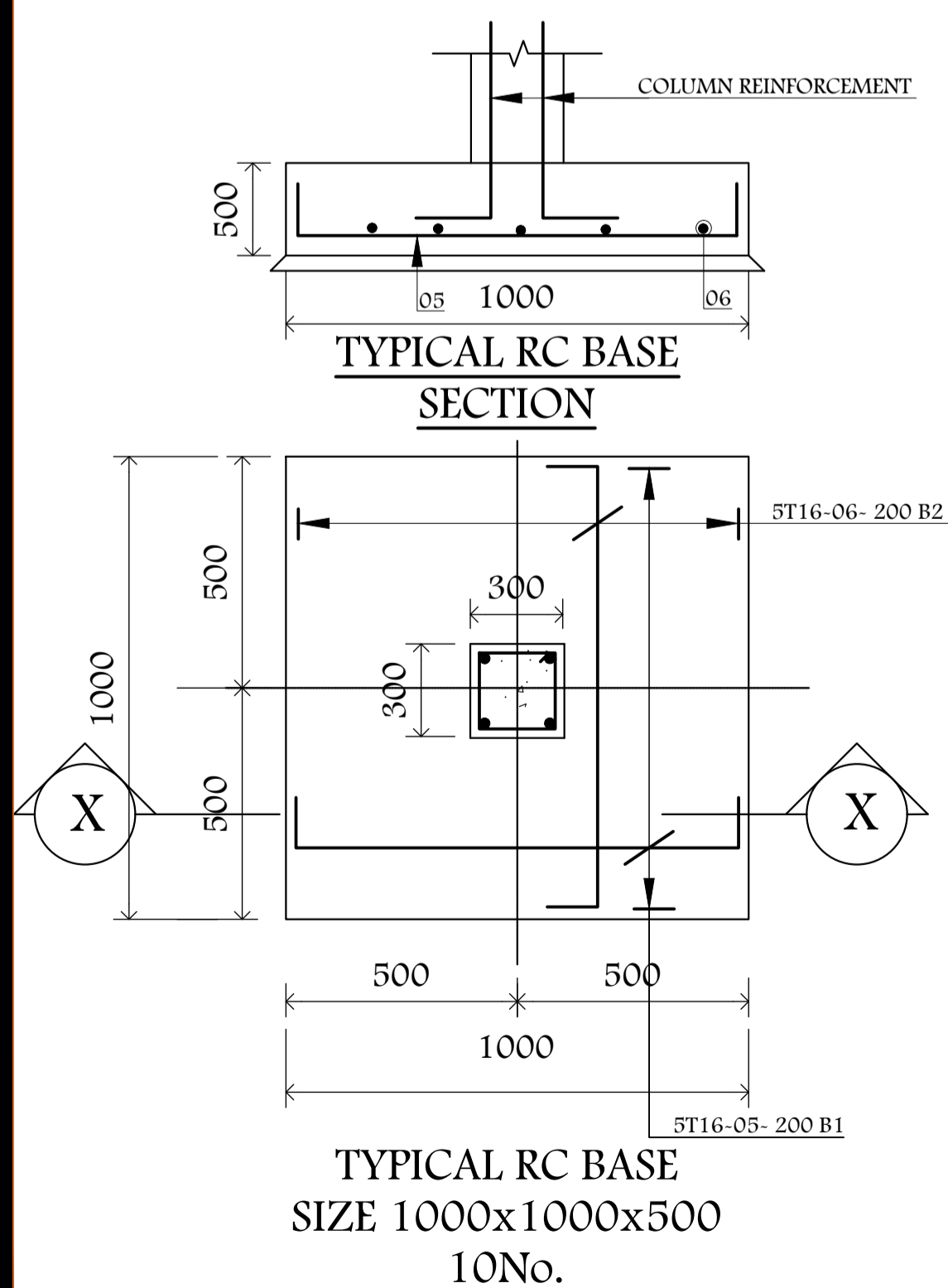
Sheet No.
1 of 1



8100

BASE PLATE DETAILS

10No. 200MM X 200MM x 6mm BASE PLATE.



300mm LONG ANCHOR BOLT 40 No.

10No. 200MM X 200MM x 6mm BASE PLATE.

NATIONAL ENVIRONMENTAL MANAGEMENT AUTHORITY
The Kenya Adaptation Fund Programme
TANAATHI RIVER DEVELOPMENT & AUTHORITY

NEMA APPROVAL: **NCA APPROVAL:**

PROJECT NAME PROPOSED CONSTRUCTION OF NJENGA BANANA FRUIT PROCESSING PLANT IN COUNTY

PROJECT USER

PROJECT MANAGER PROGRAMME COORDINATOR ADAPATATIONFUND NATIONAL ENVIRONMENTAL AUTHORITY . P.O BOX 67839-00200 NAIROBI.

PROJECT ENGINEER DIRECTOR ENGINEERING SERVICES & INFRASTRUCTURE DEVELOPMENT LAKE BASIN DEVELOPMENT AUTHORITY P.O BOX 1516-40100 KISUMU

RESIDENT ENGINEER

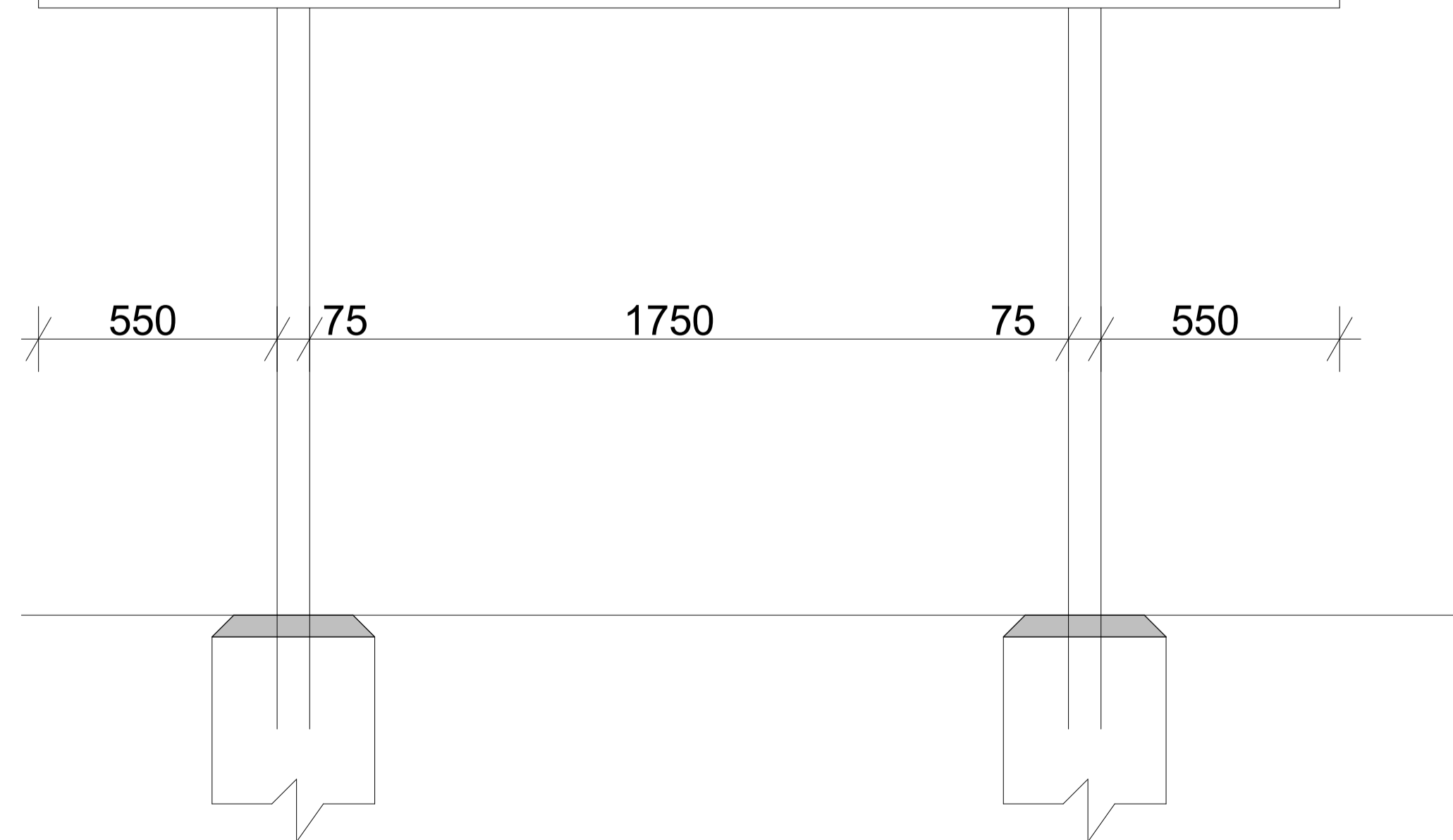
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ELECTRICAL ENGINEER DIRECTOR ENGINEERING SERVICES & INFRASTRUCTURE DEVELOPMENT. LBDA KISUMU

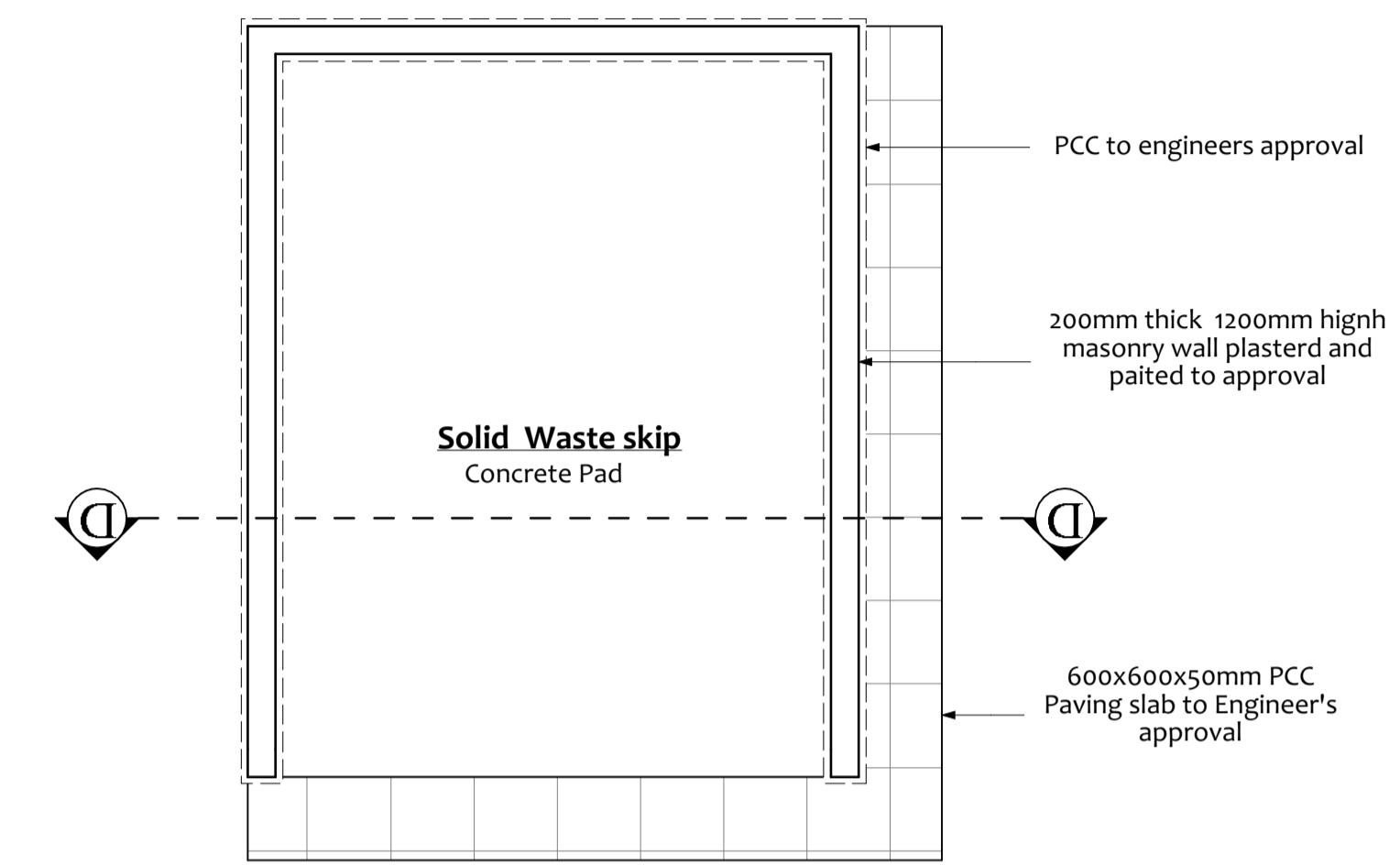
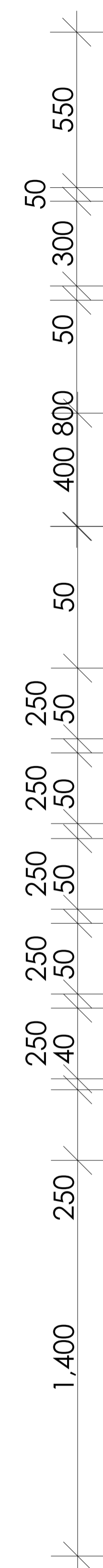
SURVEYOR DIRECTOR ENGINEERING SERVICES & INFRASTRUCTURE DEVELOPMENT. LBDA KISUMU

MAIN CONTRACTOR

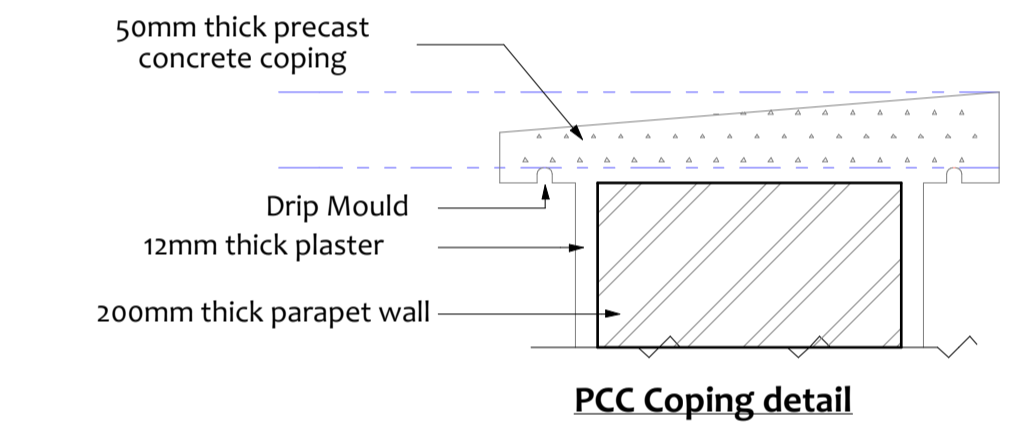
COVID -19 IS REAL!!! STAYSAFE AND STAYATHOME



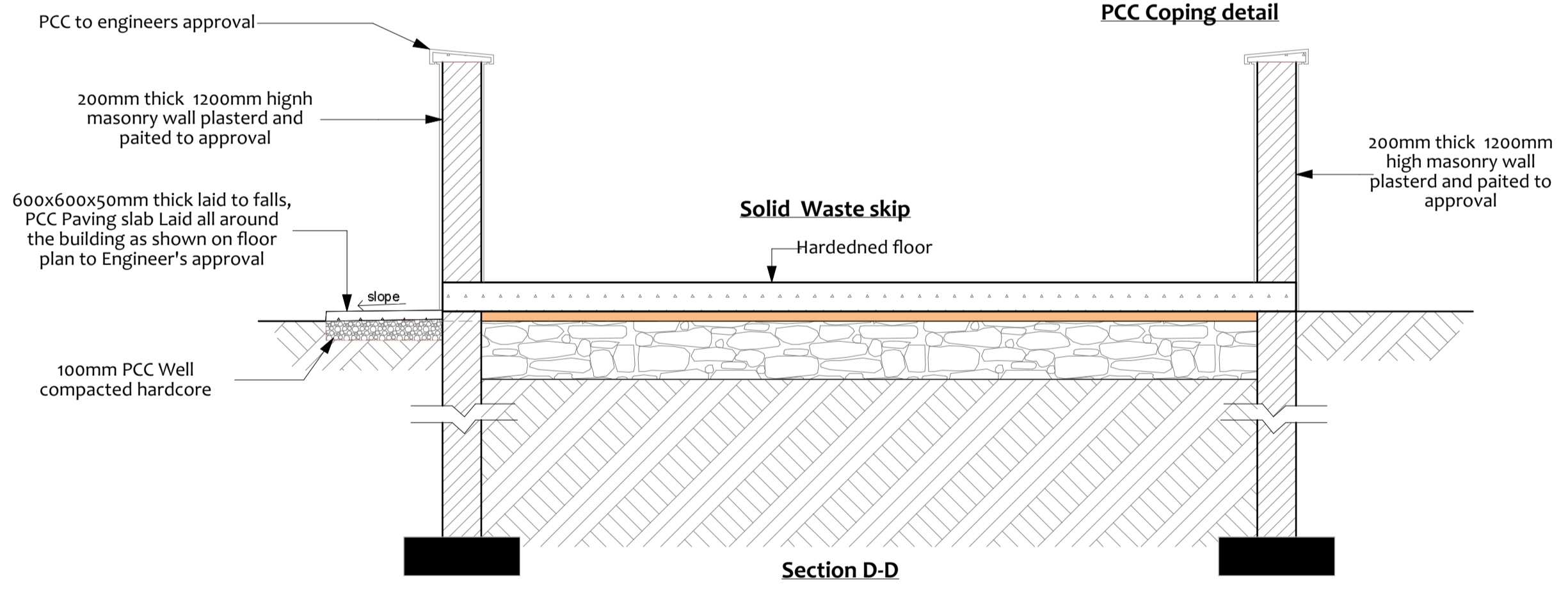
Project Signage Details



Floor Plan



PCC Copping detail



Section D-D

Solid Waste Skip

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REVISIONS

No.	Description

Project Name

NJENGA BANANA FRUIT PROCESSING PLANT

GPS COORDINATES

NATIONAL ENVIRONMENTAL MANAGEMENT AUTHORITY

Client Approval Signature

F.K.O

Dwg Name

GARBAGE COLLECTION PIT AND SIGNAGE DETAILS.

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	G.A.S	F.K.O	



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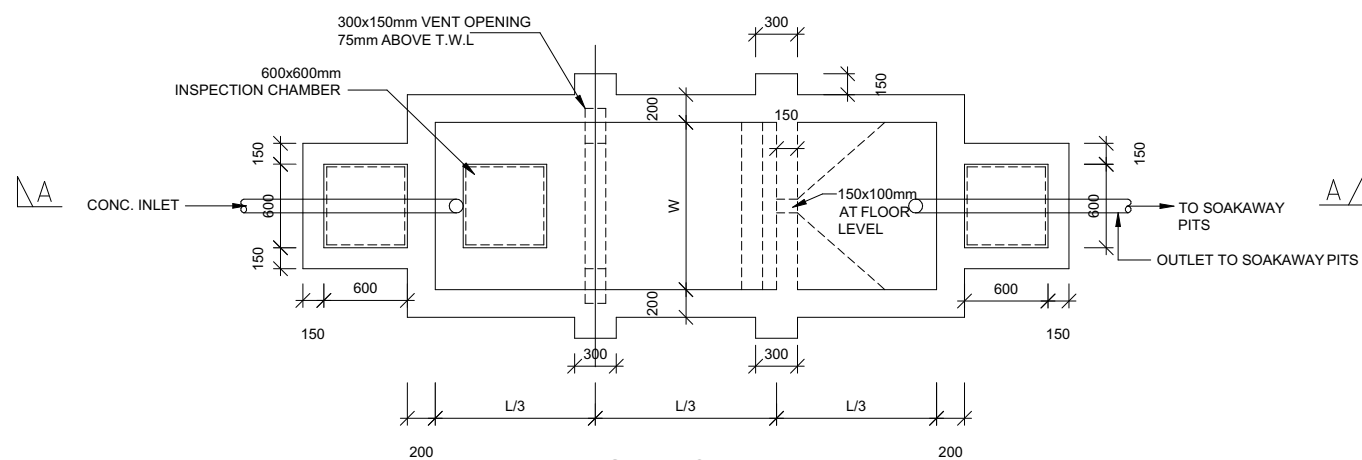
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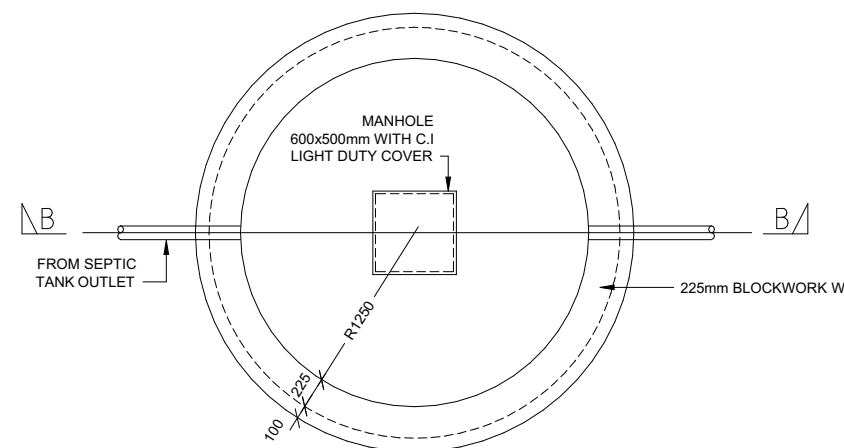
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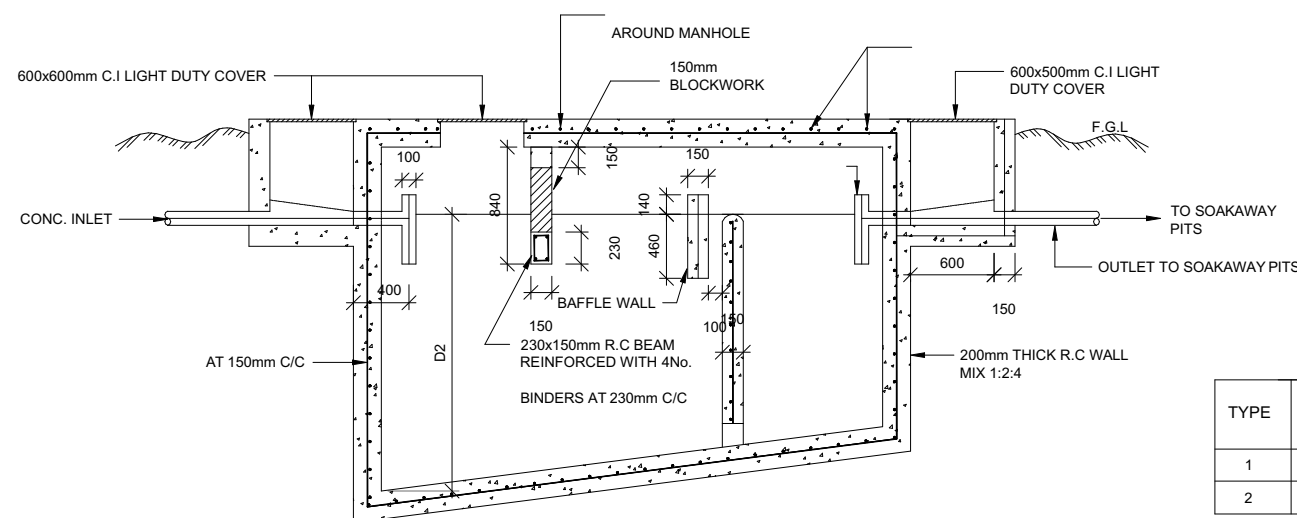
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**SEPTIC TANK
PLAN**

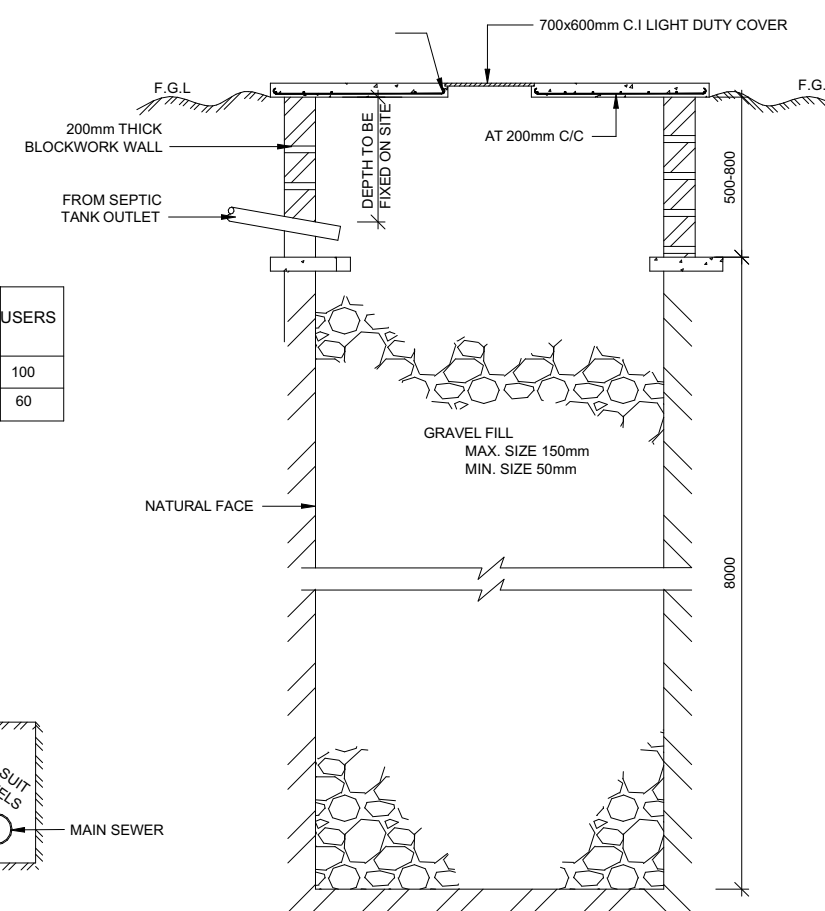


**SOAKAWAY PIT
PLAN**



SECTION A-A

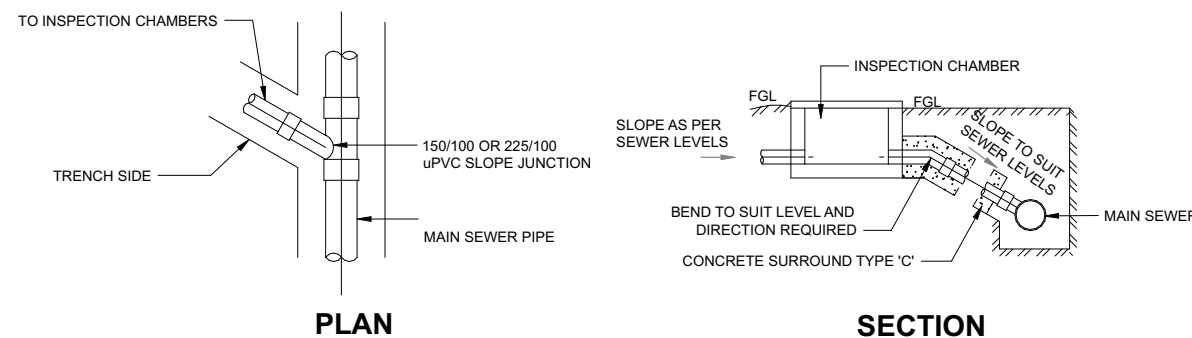
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1	15.90	1675	1830	1525	1905	100
2	10.50	1370	1525	1525	1865	60



SECTION B-B

NOTES

1. ALL REINFORCEMENTS FOR SEPTIC TANKS TO BE CUT AND BEND ON SITE AS DIRECTED BY THE ENGINEER
2. IN CASE OF ADVERSE SUBSURFACE CONDITIONS, SIZE OF SOAKAWAY PITS TO BE DETERMINED BY PERCOLATION TESTS
3. S.R CEMENT TO BE USED FOR ALL CONCRETE WORK
4. MIN. CONCRETE COVER TO STEEL REINFORCEMENT TO BE 40mm
5. WHERE GROUND CONDITIONS ARE UNSUITABLE DUE TO SAND CONTENT OF SURROUNDING GROUND, SLOTTED WALLING USING 150 OR 200mm WIDE CONC. OR NATURAL BLOCKS SHOULD BE USED IN THE SOAKAWAY PIT TO THE EXTENT DETERMINED BY THE ENGINEER ON SITE
6. SEPTIC TANK CAPACITY TO BE DETERMINED BY THE ENGINEER ON SITE
7. ALL REINFORCEMENT STEEL TO BE HIGH YIELD SQUARE TWISTED TO BS 4461
8. ALL LEVELS AND SETTING OUT DETAILS TO BE CONFIRMED AND APPROVED BY THE ENGINEER ON SITE
9. ABBREVIATIONS
 F.G.L - FINISHED GROUND LEVEL
 R.C - REINFORCED CONCRETE
 C.I - CAST IRON
 C/C - CENTRE TO CENTRE



TYPICAL DETAIL - HOUSE CONNECTION

REVISIONS

NO.	DESCRIPTION	DATE

Project Name

NJENGABANAN FRUIT PROCESSING PLANT

GPS COORDINATES

NATIONAL ENVIRONMENTAL AUTHORITY (NEMA)

Client Approval
Signature

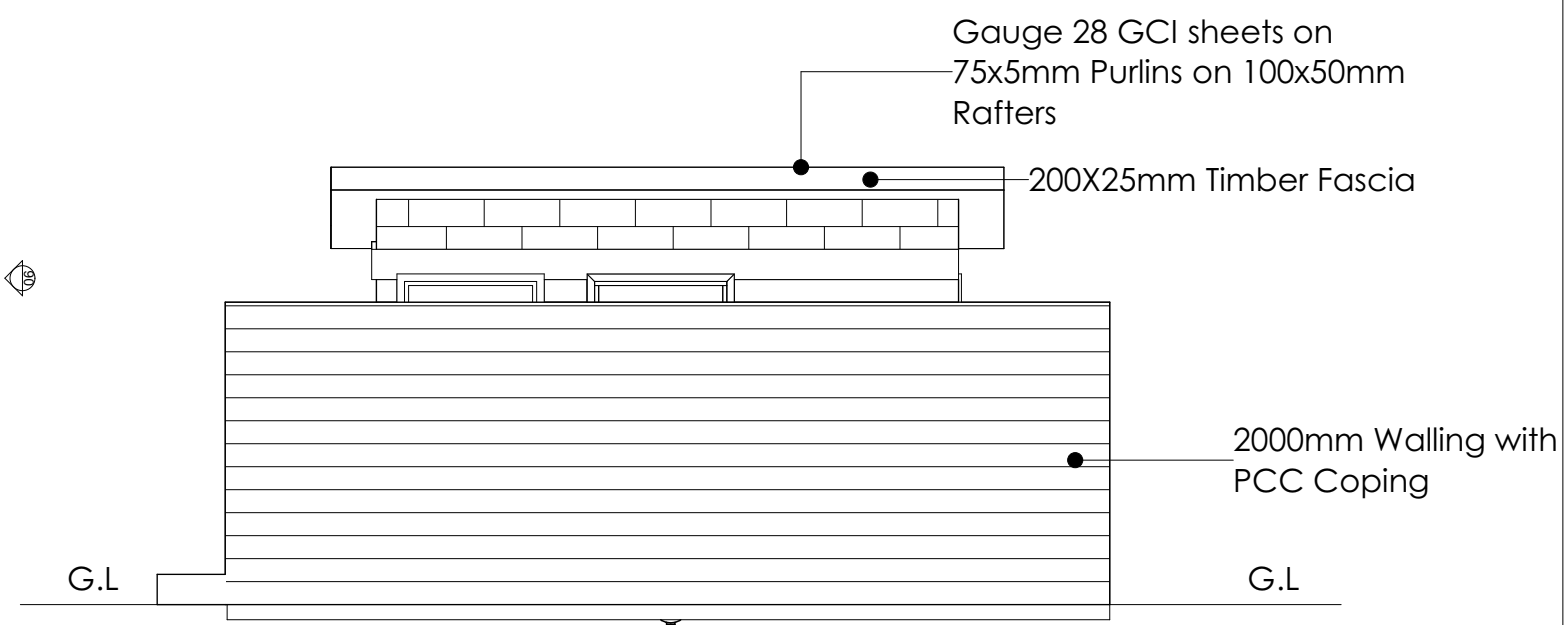
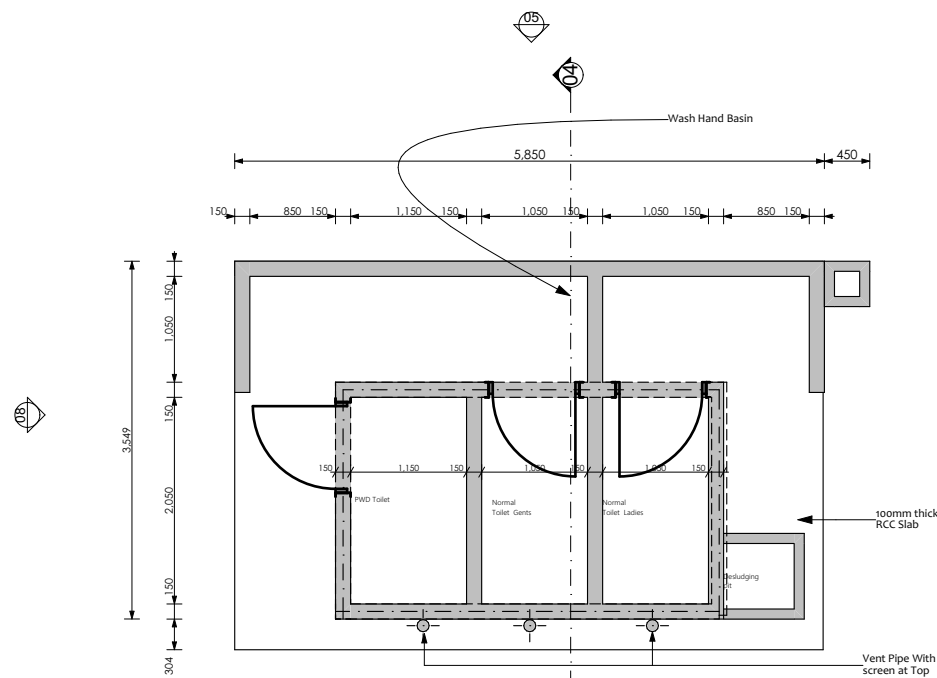
F.K.O

Dwg Name
SEPTIC TANK, SOAKAWAY PIT BUILDING AND CONNECTION DETAILS

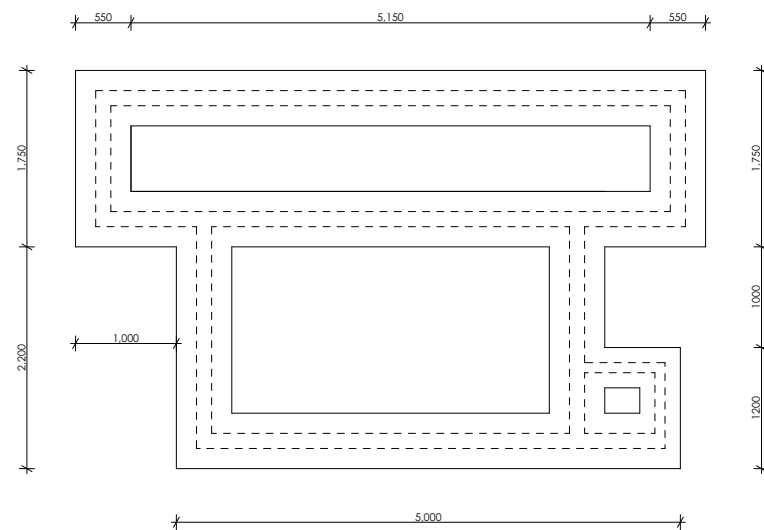
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As indicated	G.A.S	F.K.O	



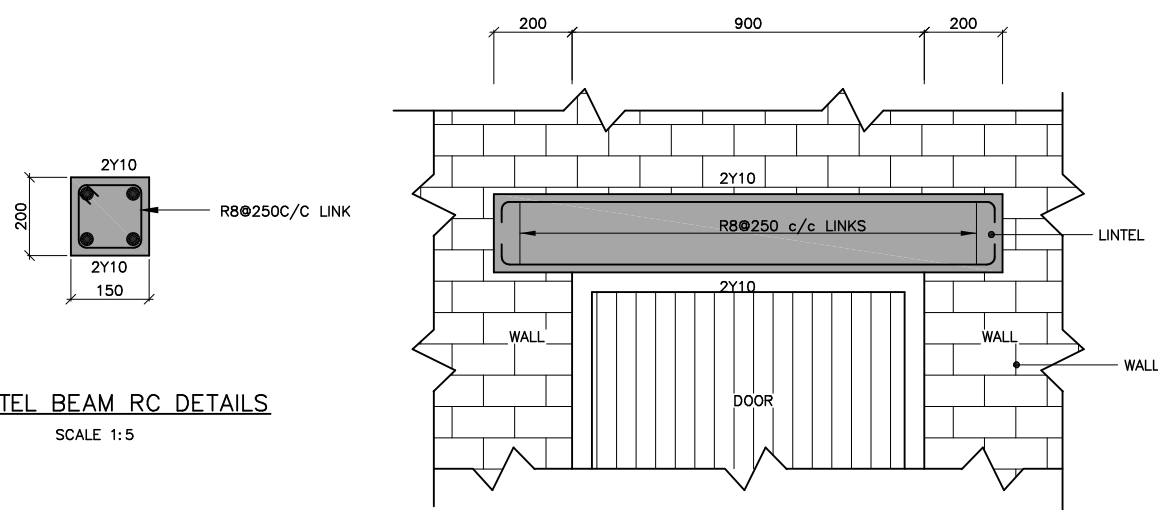
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mambozani unal weto i wajibu weto



TOILET BLOCK FLOOR PLAN

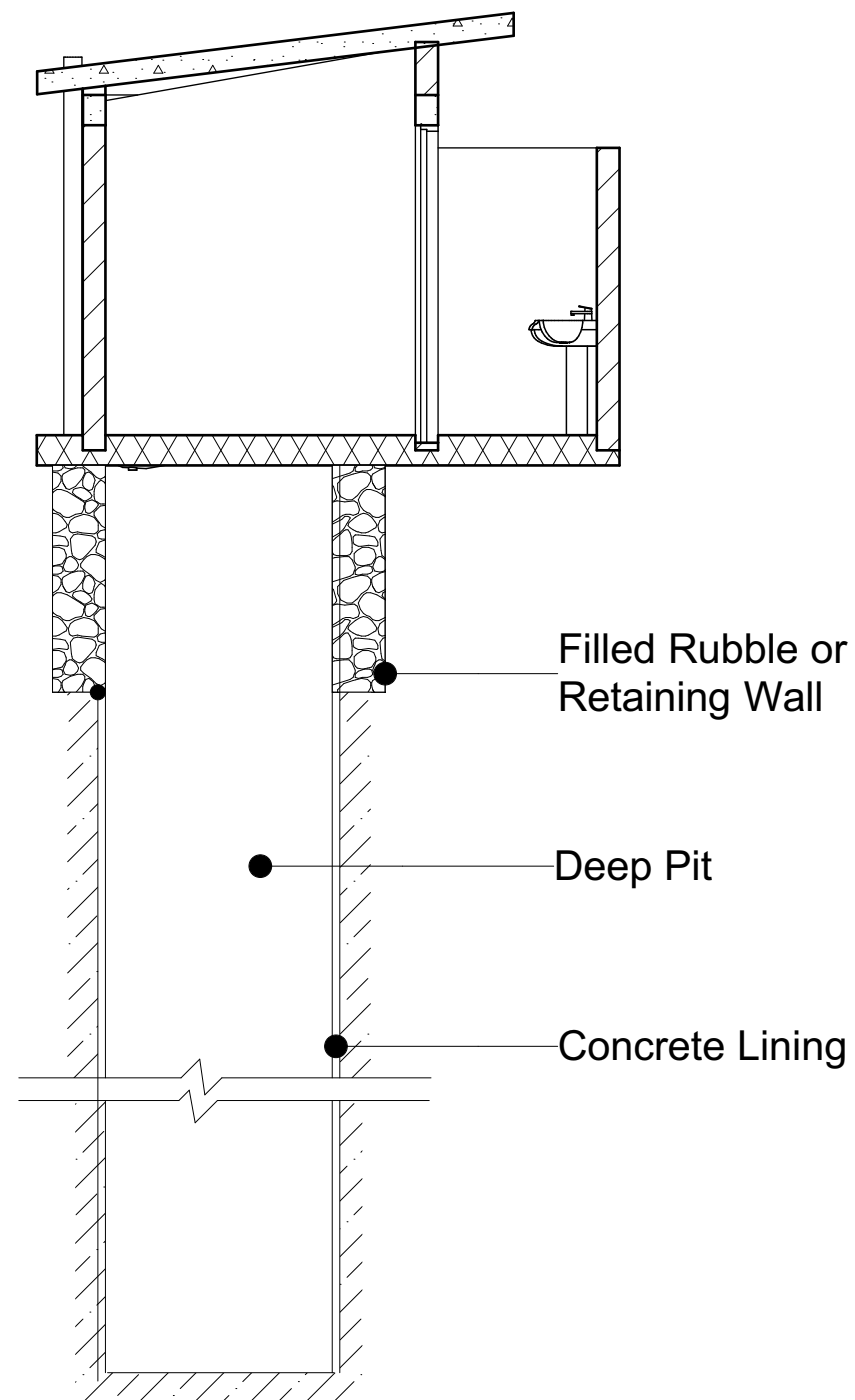


TOILET BLOCK FOUNDATION LAYOUT PLAN



LINTEL BEAM RC DETAILS
SCALE 1:5

6000mm MAXIMUM
OR PIT BOTTOM TO BE 1500mm
ABOVE WATER LFVFL



NOTES

- 1.0 All dimensions are in mm unless otherwise specified
 - 2.0 Drawings are not to be scaled. Only figured dimensions to be used
 - 3.0 The contractor check and verify all the dimensions before commencement of works
- CONSTRUCTION**
- 1.0 All slabs concrete at the ground level to be poured over 1000 gauge polythene sheeting on 50mm thick stone dust blinding on hardcore
 - 2.0 All soils under slab and all around external foundation to be treated for termites
- STRUCTURAL**
- 1.0 All black cotton soils to be removed from below all buildings and paved surfaces
 - 2.0 Building to be clear of all black cotton soils to a distance of 3m outside perimeter
 - 3.0 All paved surfaces to be cleared of all black cotton soils at a distance of 500mm outside the edge of the surfaces. For all R.C works refer to structural eng. details
 - 4.0 Depth of the foundation to be determined on site to S.Es Approval
 - 5.0 All walls less than 200mm thick to be reinforced with hoop irons at every alternate course
 - 6.0 All adjacent R.C Works and Masonry walls to be tied with strap irons at every course
- MECHANICAL & ELECTRICAL**
- 1.0 All Mechanical and Electrical Works to be undertaken as per the M.E and EE detailed drawings.
 - 2.0 All Mechanical and Electrical Works to be approved and tested as per Engineer's Instructions.

REVISIONS

No.	Description	Date

Project Name

NJENGBANAN FRUIT PROCESSING PLANT

GPS COORDINATES

NATIONAL ENVIRONMENTAL AUTHORITY (NEMA)

Client Approval Signature

F.K.O

Dwg Name

ABLUTION BLOCK

Scale	DRAWN BY	CHECKED BY	DATE:
As indicated	G.A.S	F.K.O	

