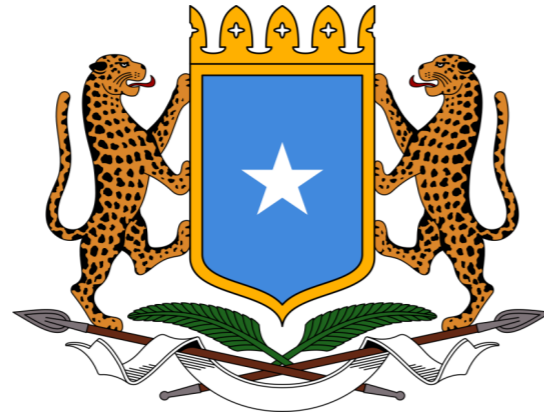


# ARCHITECTURAL DESIGNS AND DRAWINGS

## CLIENT



Jubaland State - Government Of Somalia

## PROJECT

Proposed Construction of FM Radio Kismayo  
- Kismayo - JSS

**JULY 2025**



Lower Shabelle Coordination Center - Architectural Working Drawings



Drawing Index	
Layout Name	
ID	
01	Site location on google map
02	General Site Layout
03	Boundary wall - plan
04	Main building - Floor plan
05	Main building- Roof layout
06	Elevations 1&3
07	Elevations - 2&4
08	Sectional view
09	Foundation plan
10	Electrical layout
11	Studio room - interior elev
12	Septic tank details
13	Steps and ramp details
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15	3D views - 02
16	Tower Elevation
17	Tower foundation details
18	Raft base details
19	Connection details



CLIENT



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NAME:	Proposed Construction FM Radio Kismayo
LOCATION:	Kismayo
COORDINATES:	Lat: 3°10'35.454"N Long: 46°26'8.172"E
PLOT SIZE:	36mx19M

DATE	8/12/2025
DRAWN BY	
CHECKED BY	#
DRAWING	#

DRAWING TITLE

Index sheet

SHEET NO. 3



CLIENT



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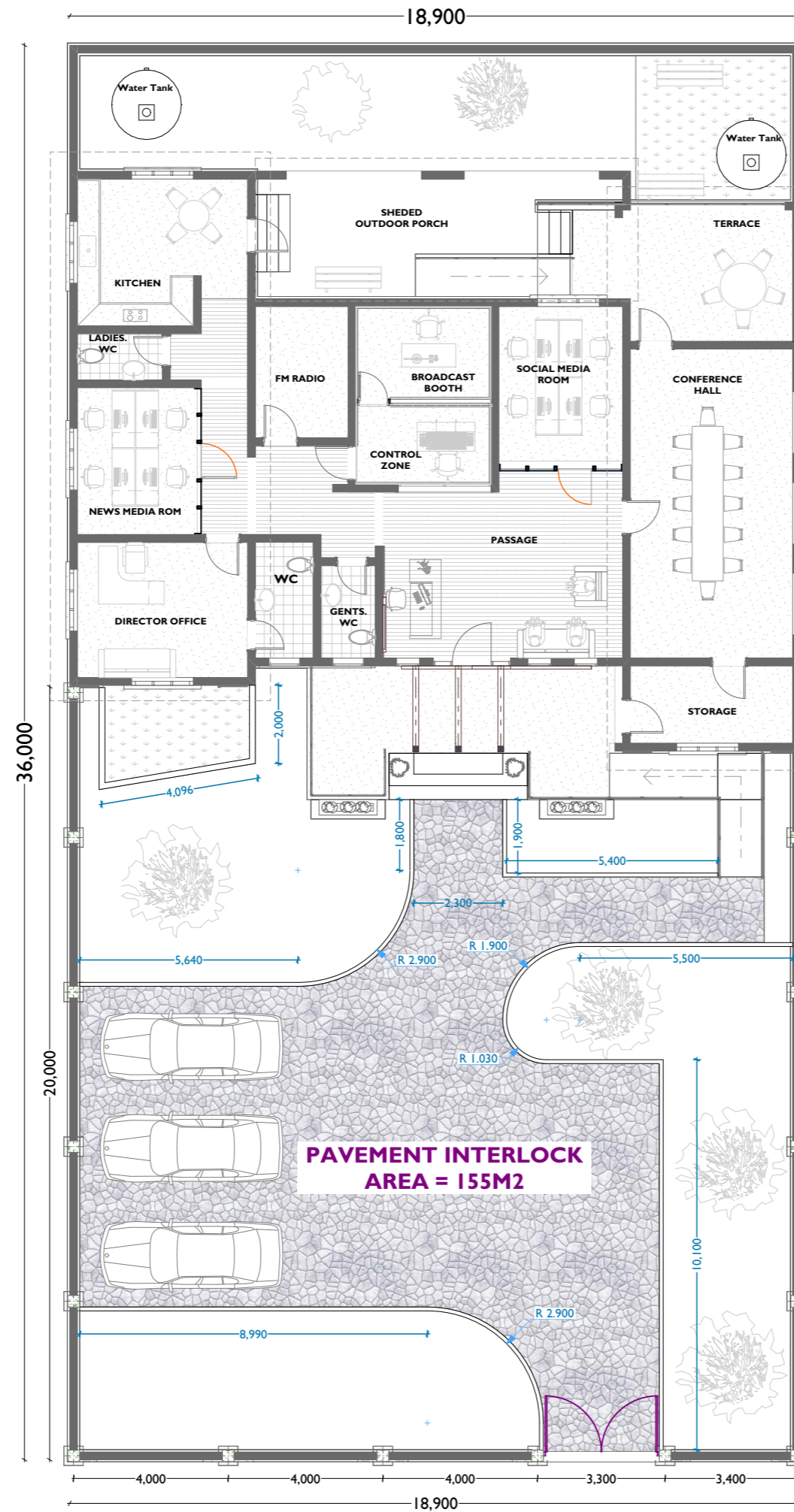
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DRAWING TITLE

Site Map

SHEET NO. 4





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## DRAWING TITLE

Site Layout

**SHEET NO.** 5

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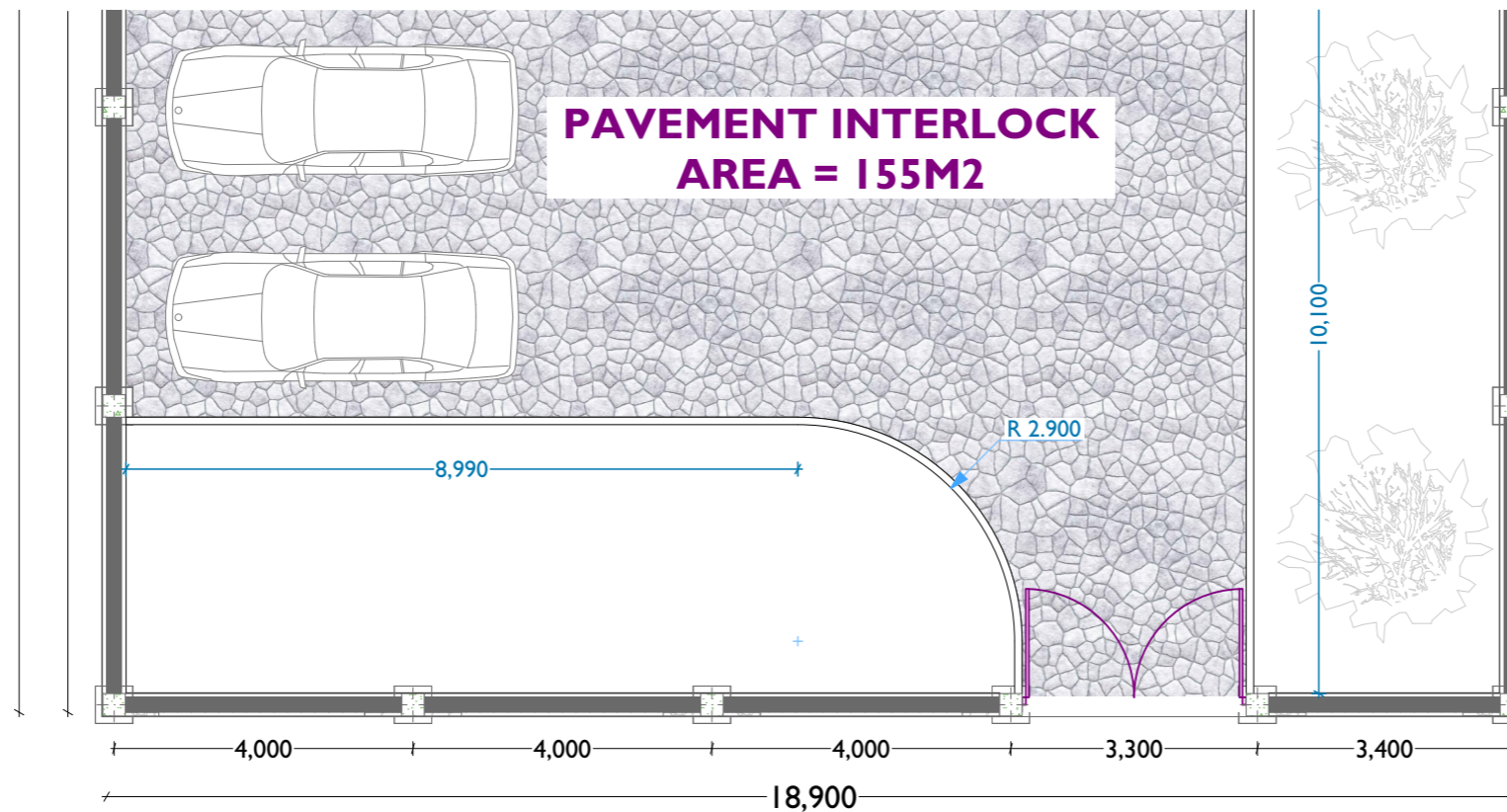
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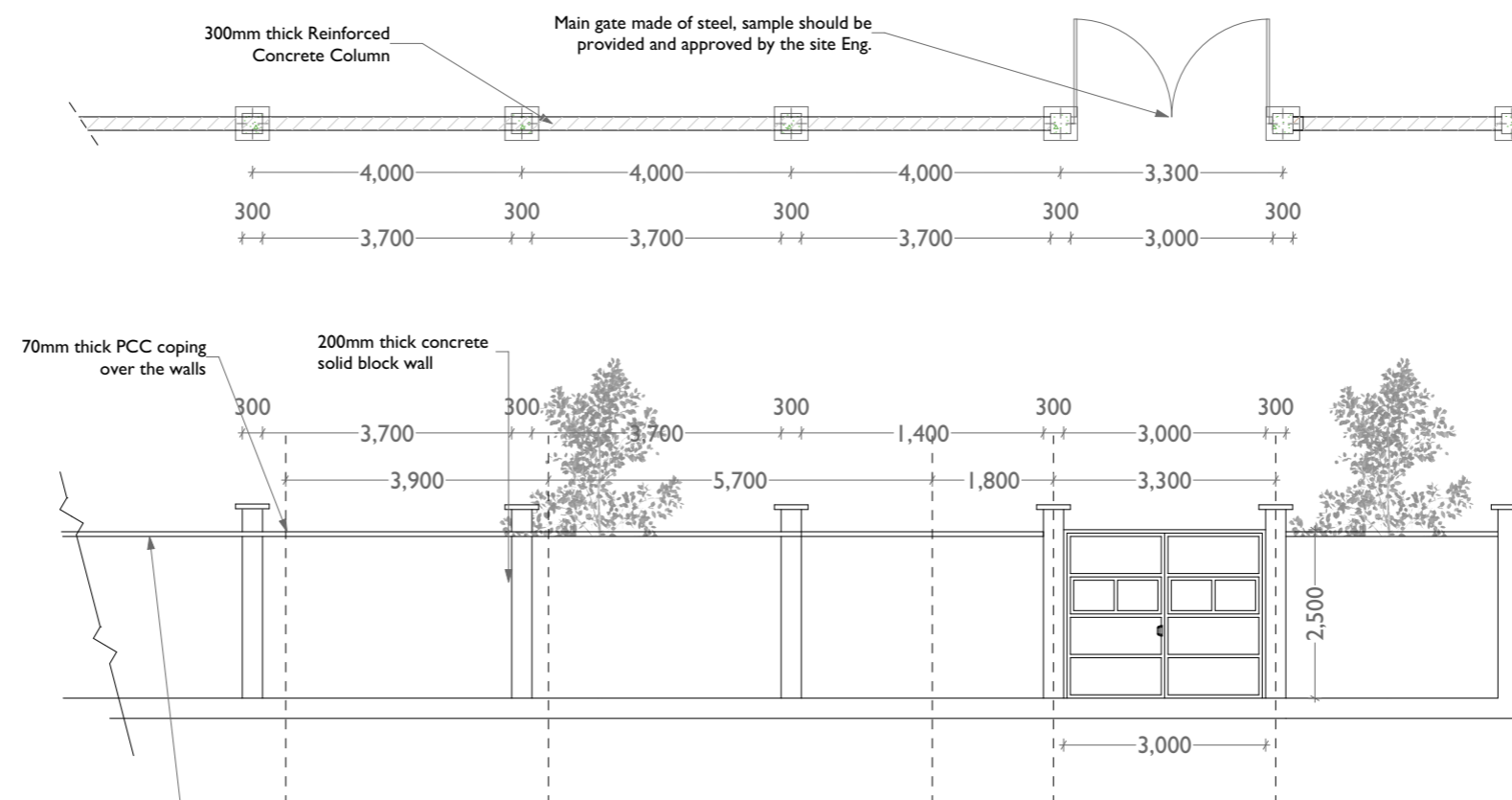
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Boundary wall Layout

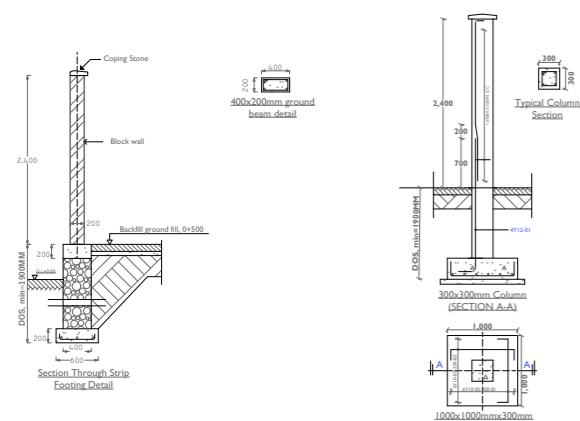
**SHEET NO.** 6



## TYPICAL CONCRETE BLOCK BOUNDARY WALL PLAN

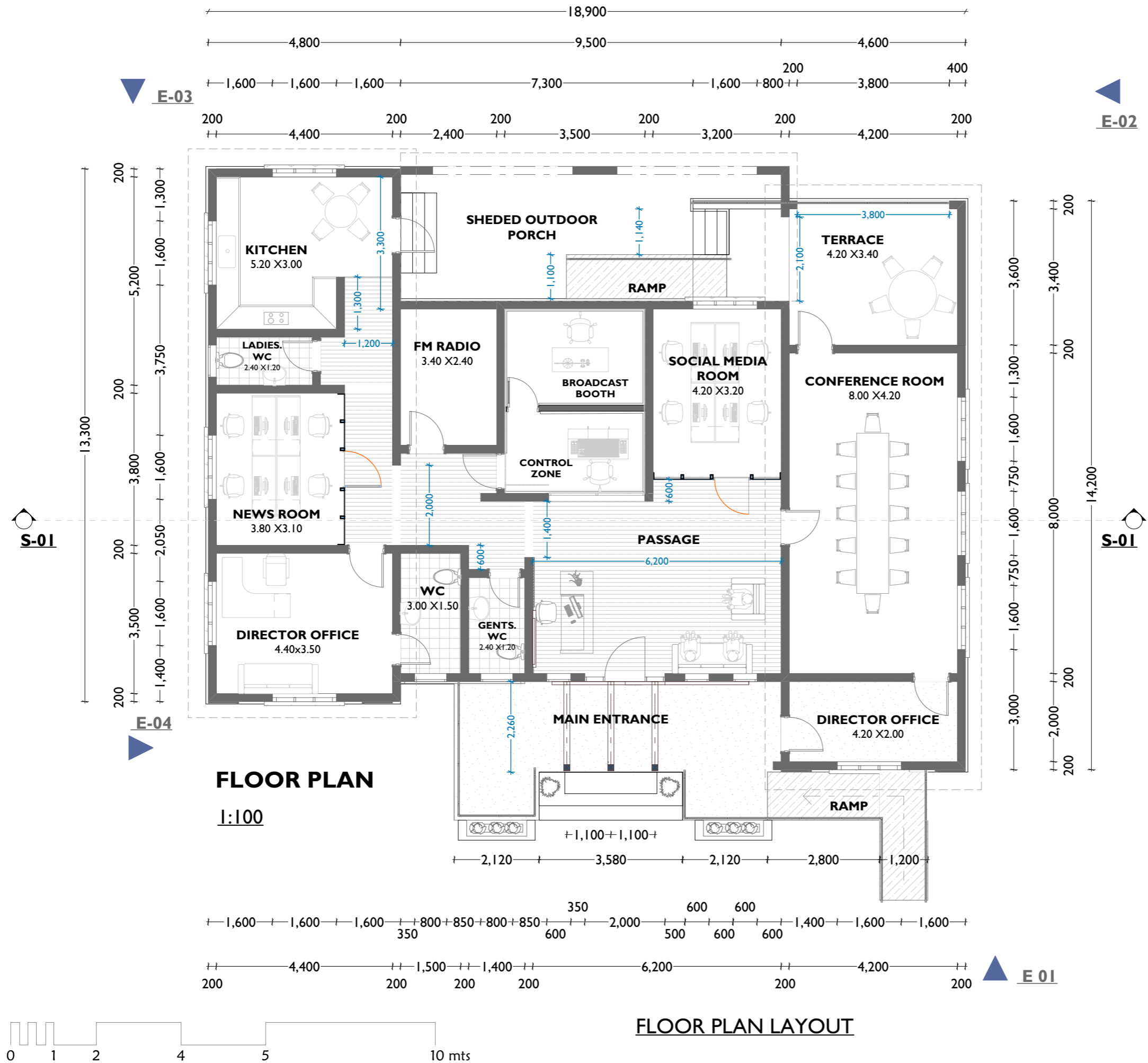


## TYPICAL ELEVATION OF BOUNDARY WALL



## BOUNDARY WALL FOUNDATION DETAILS





**CLIENT**



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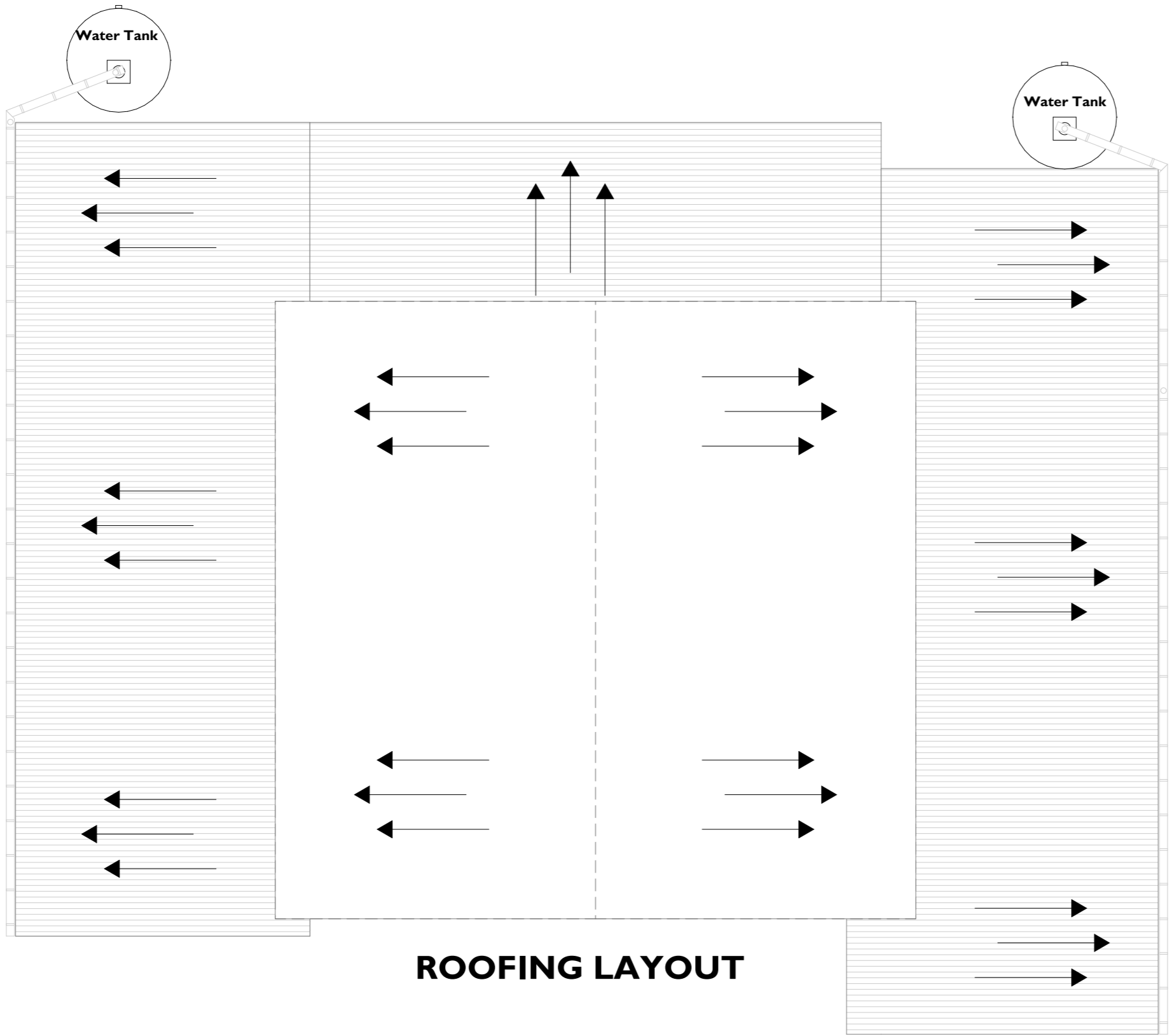
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**DRAWING TITLE**

Floor plan

**SHEET NO.** 7



ROOF LAYOUT



**CLIENT**



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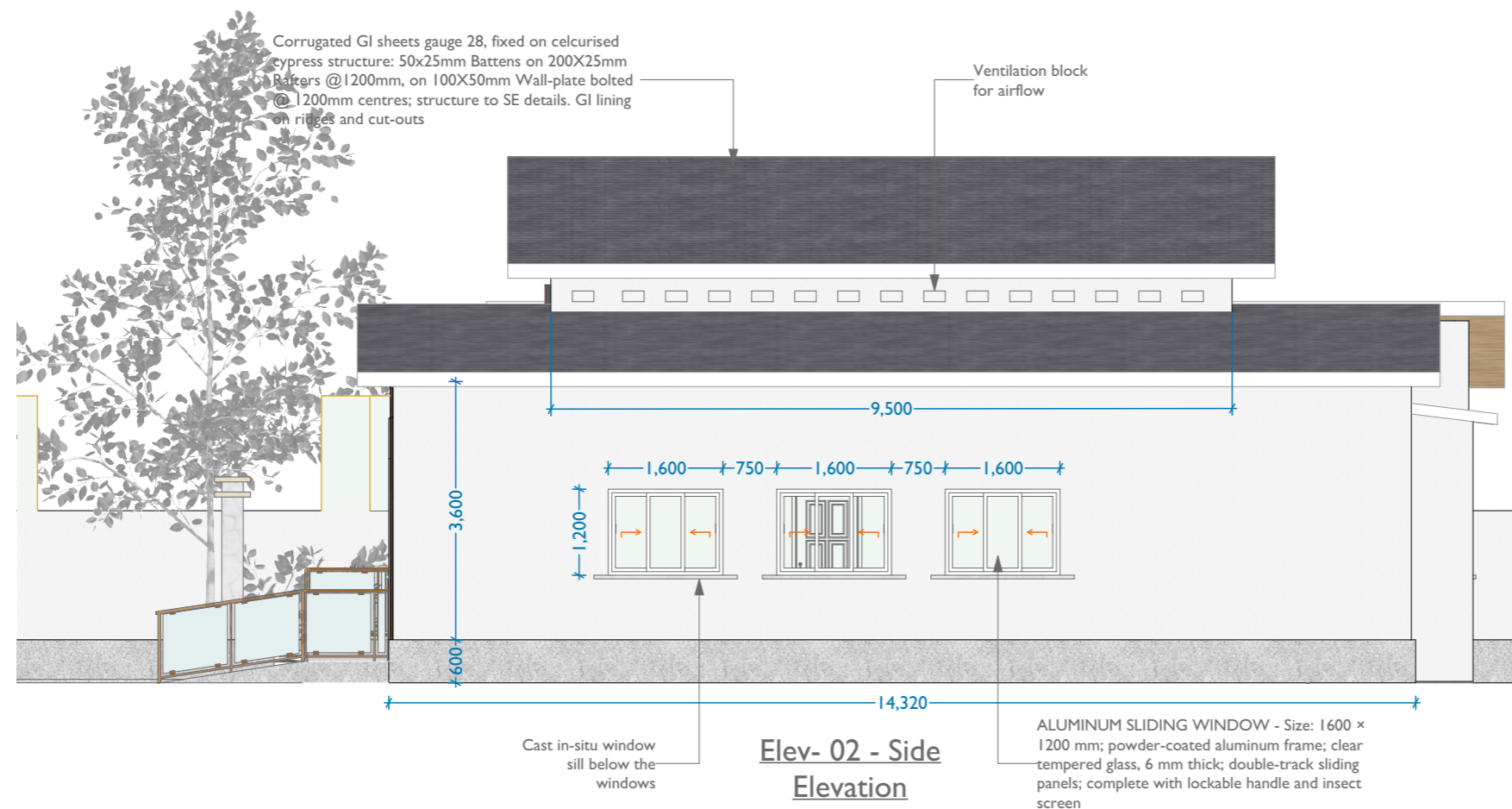
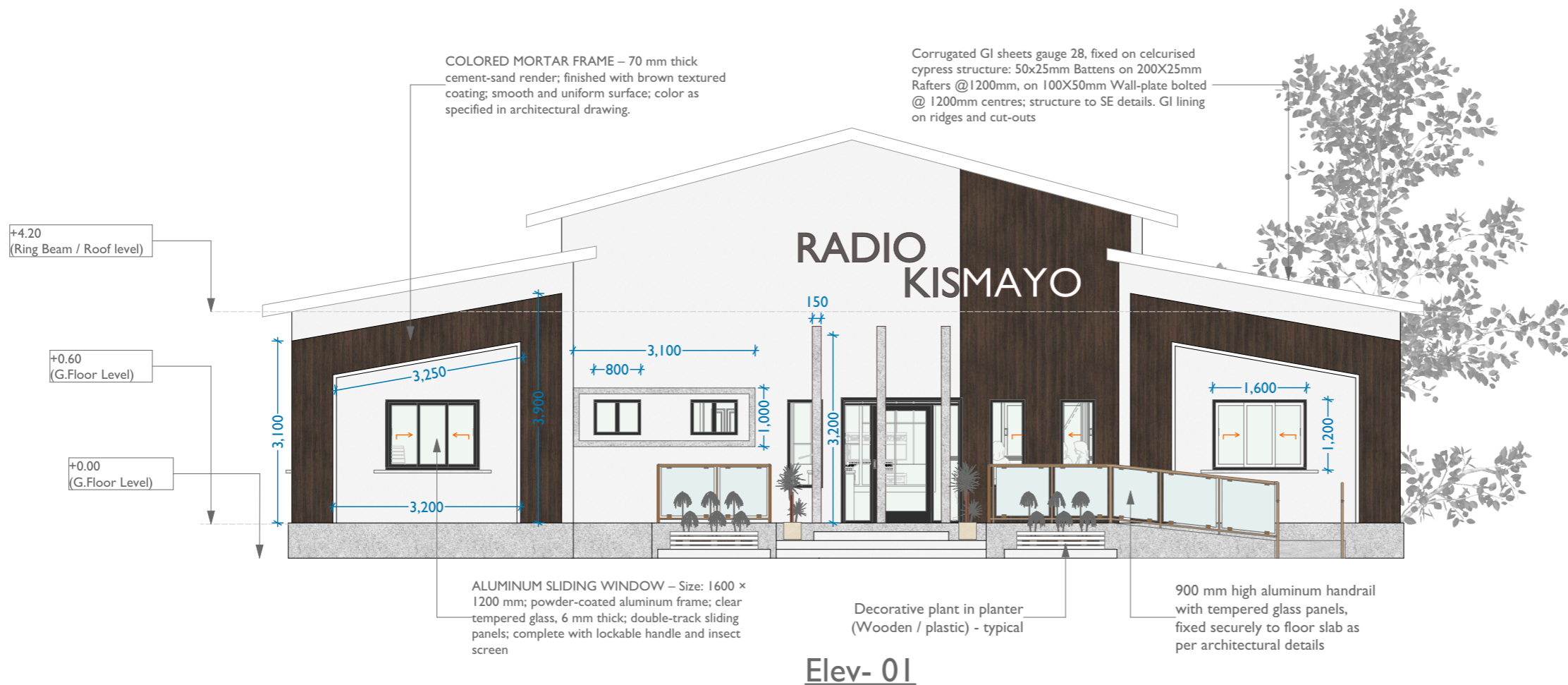
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**DRAWING TITLE**

Roof plan

**SHEET NO.** 8



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DRAWING #

## DRAWING TITLE

Isometric art

**SHEET NO. 9**

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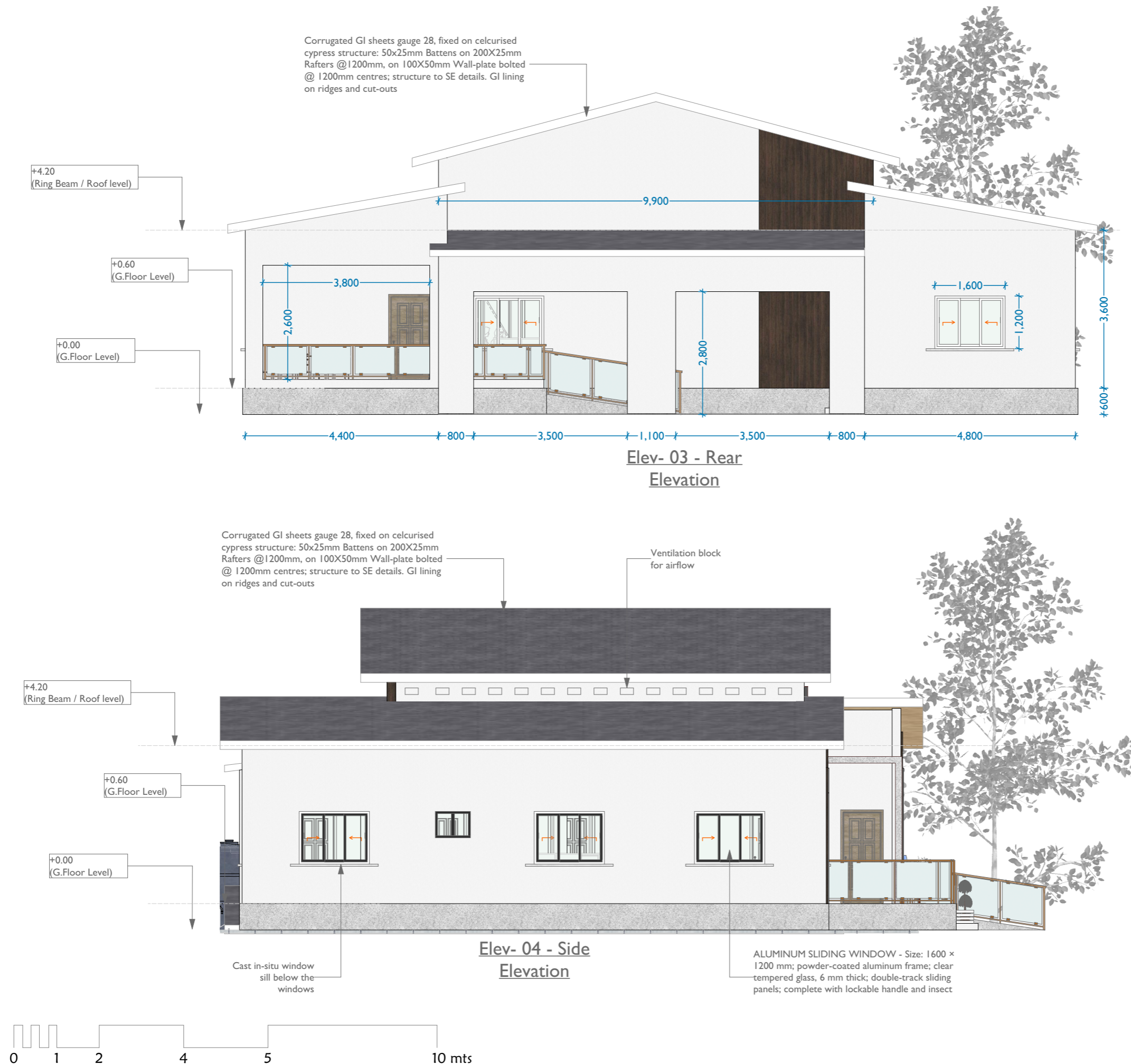
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DRAWING #

## DRAWING TITLE

Elevations - 3&4

**SHEET NO.** 10



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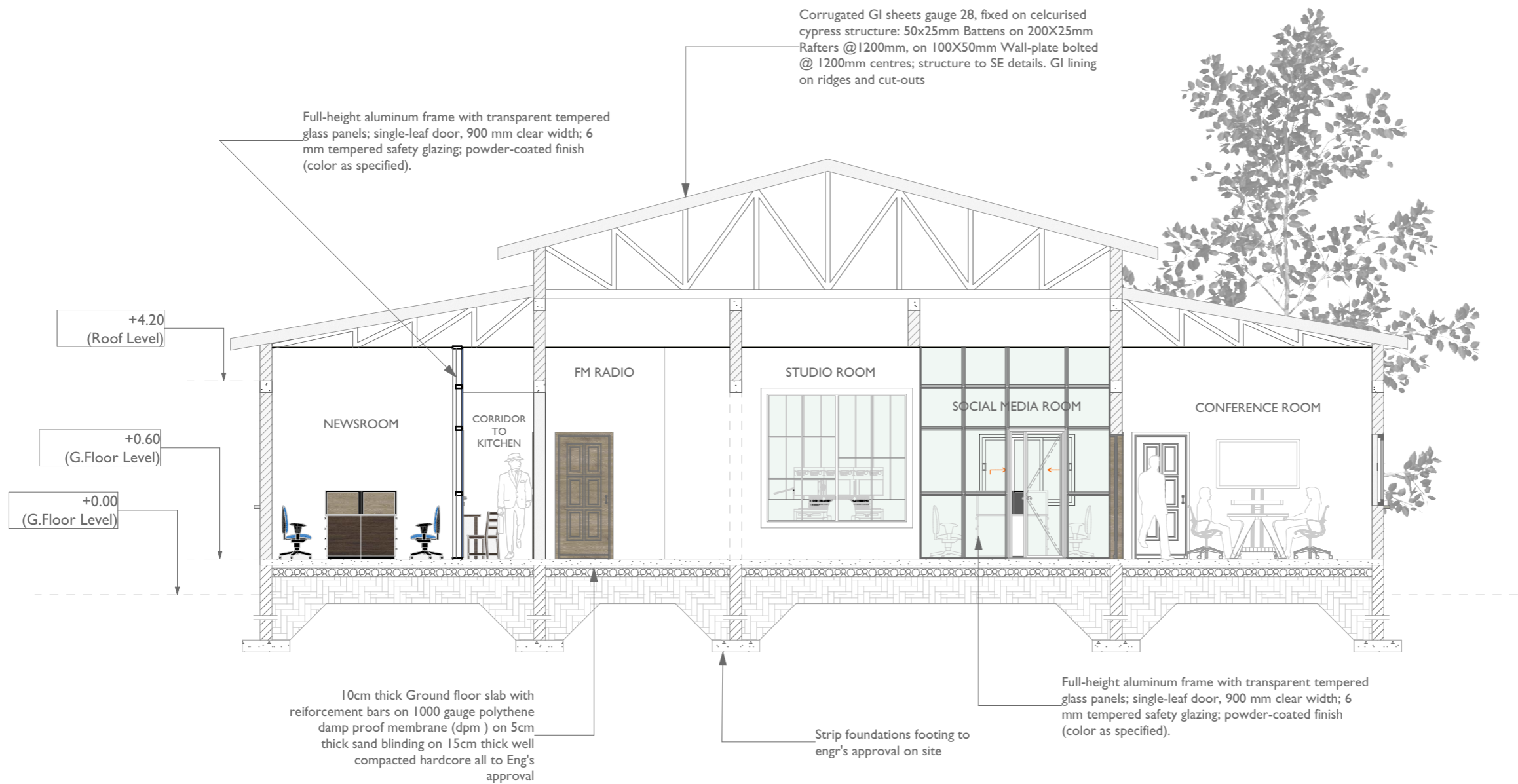
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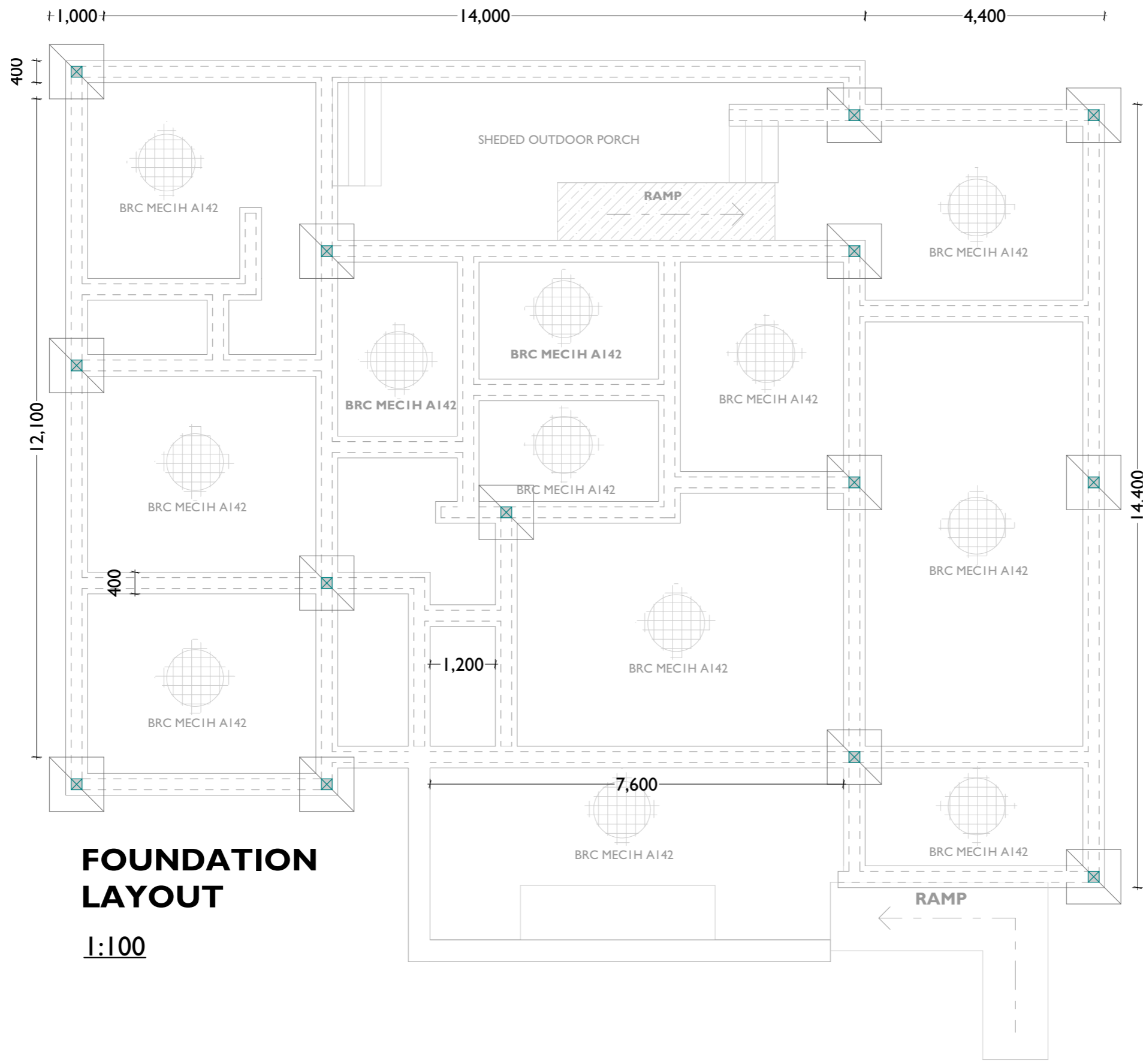
Sectional view

SHEET NO. | |



## Sectional View





# FOUNDATION LAYOUT

1:100



FLOOR AREAS -  
SQM



## CLIENT



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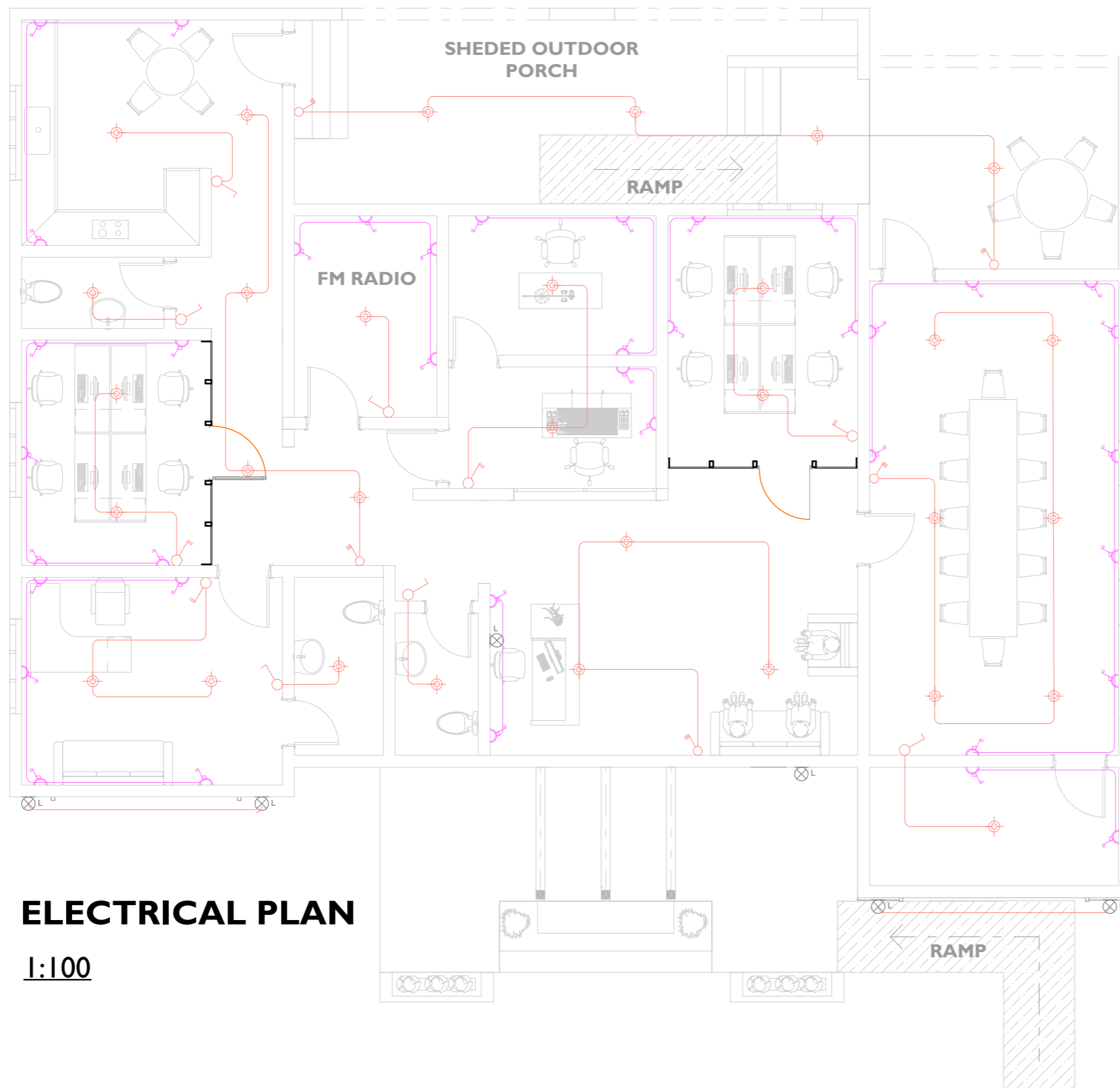
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<b>DRAWN BY</b>	
<b>CHECKED BY</b>	#
<b>DRAWING</b>	#

## DRAWING TITLE

Foundation layout

SHEET NO. 12



## ELECTRICAL PLAN

1:100

## ELECTRICAL LAYOUT



### CLIENT



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CHECKED BY #

DRAWING #

### DRAWING TITLE

Electrical layout

**SHEET NO. 13**

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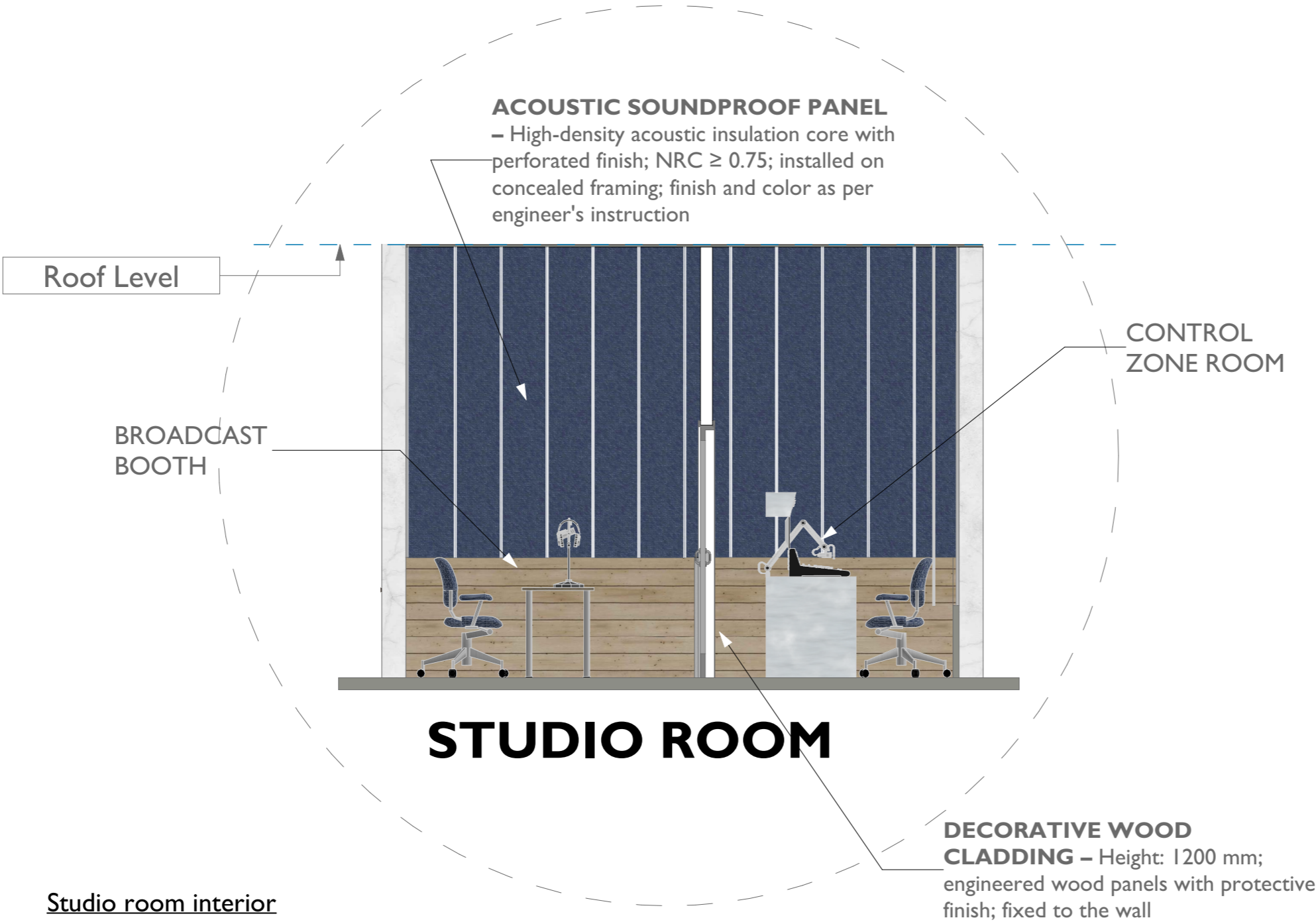
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DRAWING TITLE

Plumbing layout

SHEET NO. 14



Studio room interior elevation



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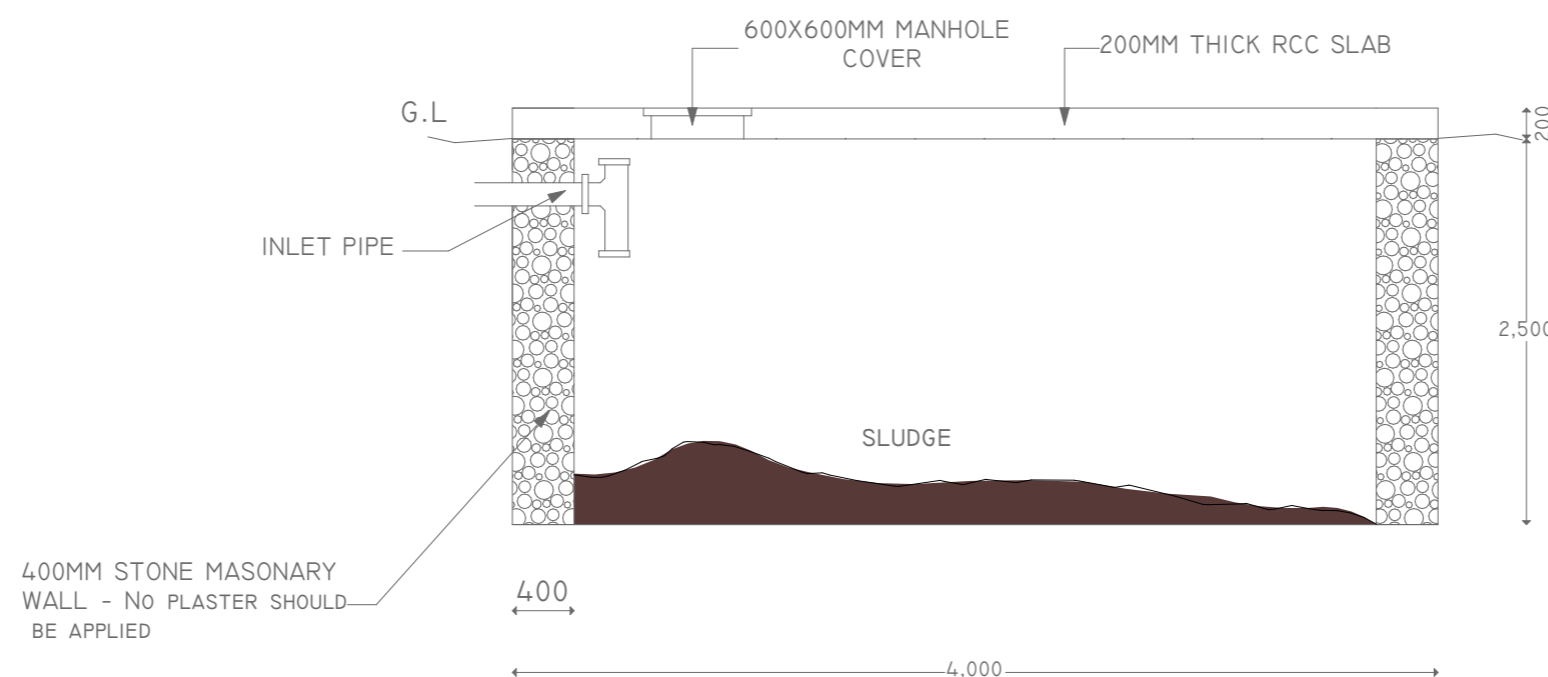
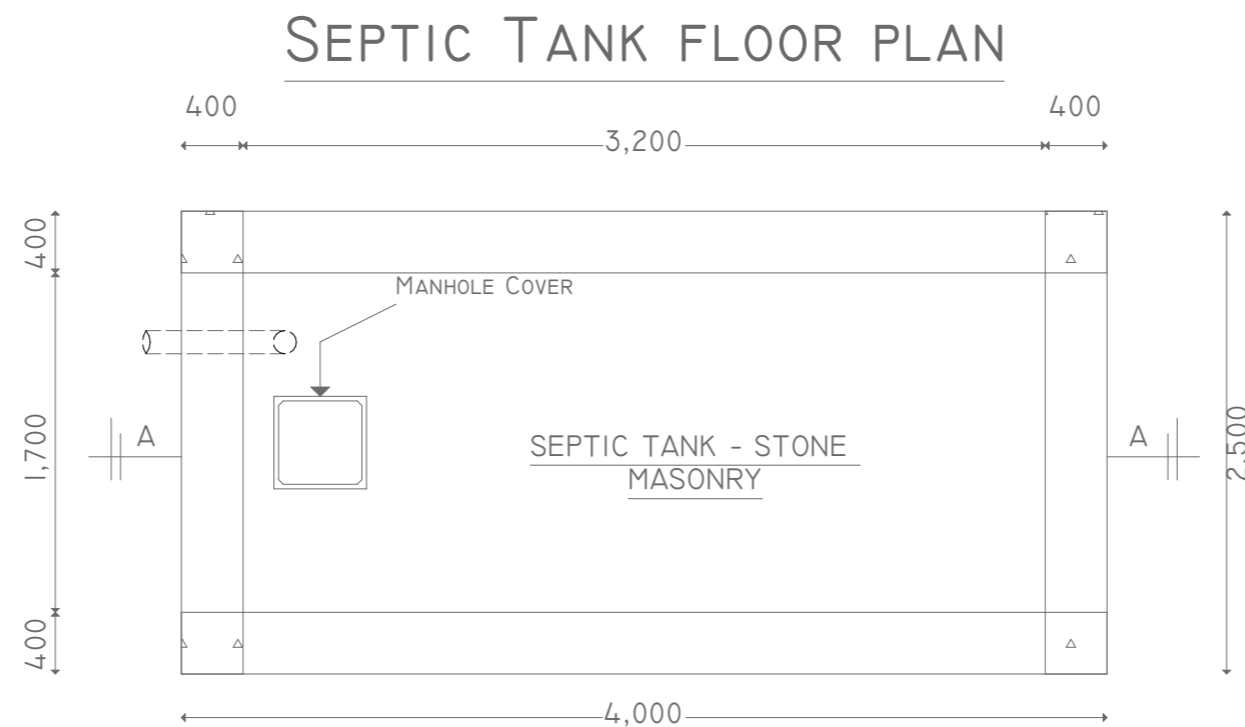
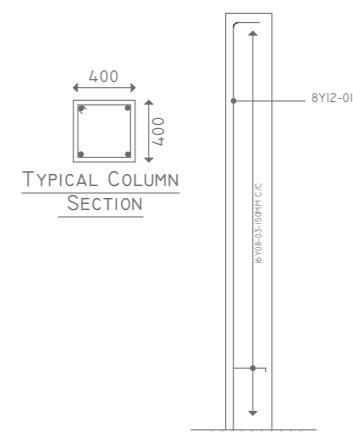
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## DRAWING TITLE

Septic tank details

**SHEET NO.** 15

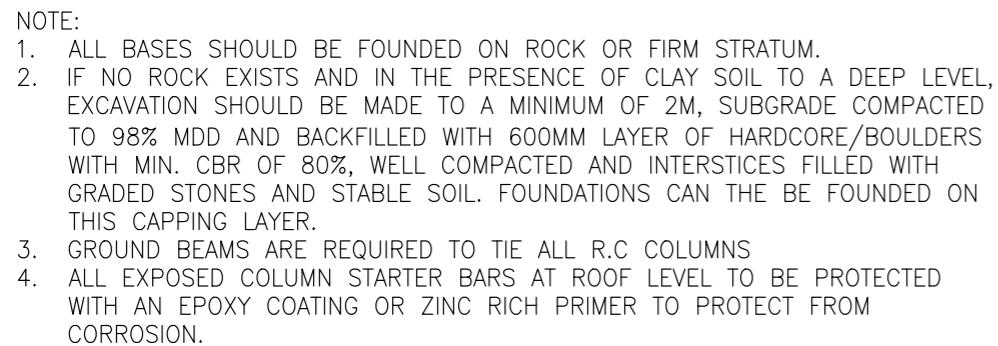
## SEPTIC TANK DETAILS



## SECTION A-A

## SEPTIC TANK DETAILS



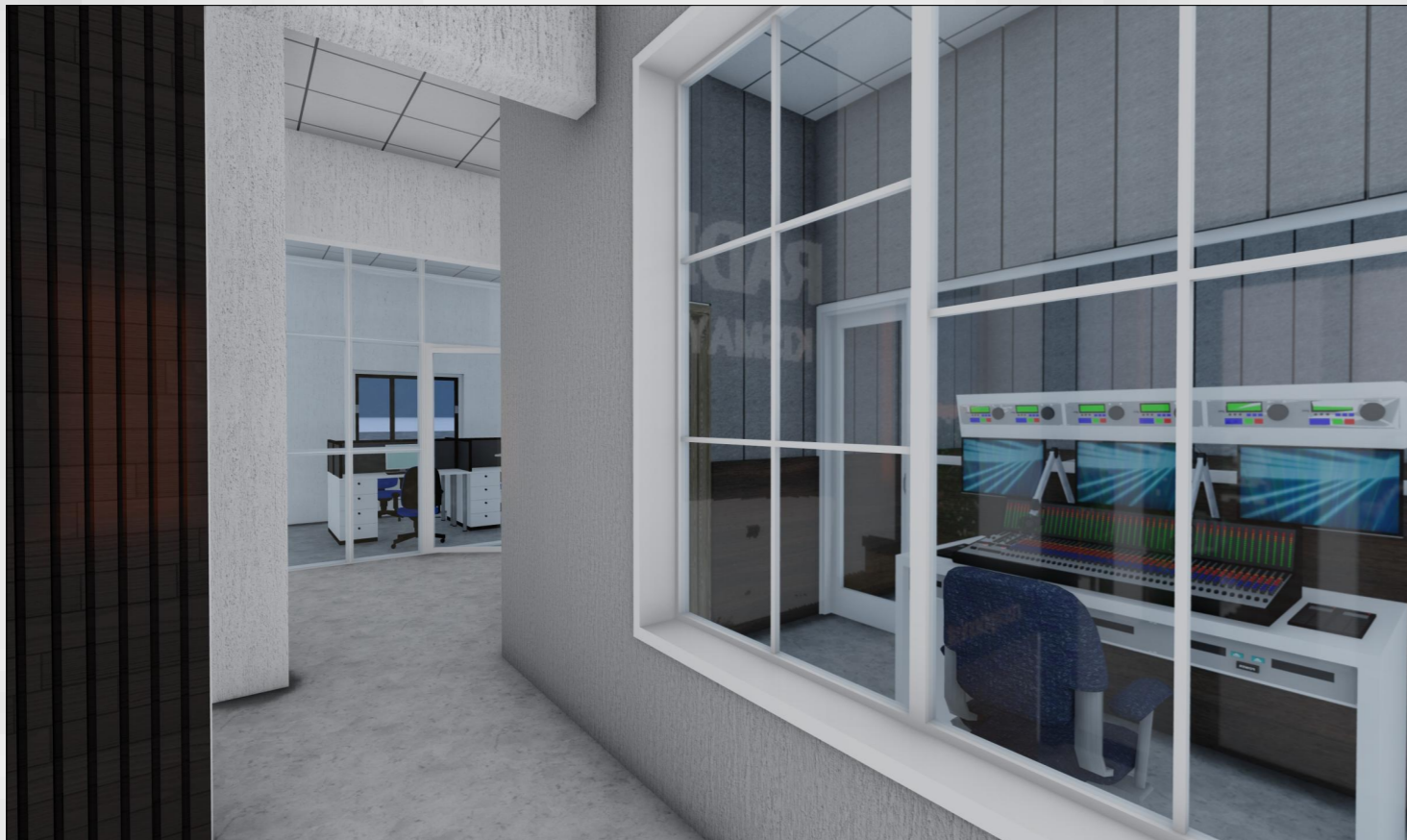


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A3



3D VIEW - 01



3D VIEW - 02



3D VIEW - 03

# FM RADIO TOWER

## GENERAL NOTES

### 1. GENERAL & MATERIAL

- 1.1 DESIGN STANDARDS BS, EUROCODE, OR ASTM
- 1.2 SOIL BEARING CAPACITY for BASE TYPE OPTION 1 is 150KN/m<sup>2</sup>
- 1.3 ALL DIMENSIONS ARE IN 'MM' BUT LEVELS ARE IN 'METERS'.
- 1.4 DO NOT SCALE THE DRAWING.
- 1.5 RCC & LEAN CONCRETE SHALL BE CLASS C25&C15 RESPECTIVELY.
- 1.6 STEEL REINFORCEMENT SHALL HAVE A MINIMUM YIELD OF 415N/MM<sup>2</sup>.
- 1.7 VERIFY THE ADJACENT SITE FEATURES BEFORE EXCAVATION, PROPER CARE TO BE TAKEN TO AVOID/ MINIMIZE DAMAGE TO ADJACENT STRUCTURES.
- 1.8 ANY DISCREPANCY IN THE DRAWING AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF ENGINEER.
- 1.9 THIS FOUNDATION IS NOT APPLICABLE IN AREAS WITH ORGANIC SILT, CLAY, OR PEAT LAYERS.
- 1.10 IT THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TEMPORARY WORKS SUCH SHUTTERING. SCAFFOLDING OF ADEQUATE STRENGTH OTHERWISE THE ENGINEER SHALL BE CONSULTED.
- 1.11 ALL REINFORCEMENT ONCE COMPLETE SHALL BE INSPECTED BEFORE CONCRETING.
- 1.12 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY THE ENGINEER FOR ANY DISCREPANCIES.

### 2. TECHNICAL SPECIFICATION

- 2.1 MINIMUM COVER TO THE MAIN REINFORCEMENT SHALL BE 50MM.
- 2.2 THE LAP LENGTH OF BARS SHALL BE 50 X BAR DIAMETER AND STAGGERED.
- 2.3 NO HONEY COMBING SHALL BE PERMITTED.
- 2.4 NO CONSTRUCTION JOINTS SHALL BE PERMITTED.
- 2.5 CONSTRUCTION SHALL BE DONE ACCORDING TO RELEVANT CODE ( BS, EUROCODE OR ASTM STANDARDS)
- 2.6 STRIPPING OF FORMWORK AND CURING SHALL BE DONE AS PER RELEVANT CODE.

### 3. EXCAVATION & BACKFILLING

- 3.1 THE SIDE SLOPES FOR EXCAVATION SHALL BE DIVIDED AS PER THE FOLLOWING GUIDELINES.
  - a) FOR SANDY SOILS, SLOPE IV:2H
  - b) FOR CLAYEY SOILS SLOPE IV:1H
  - c) FOR HARD STRATA, VERTICAL CUT

ALTERNATELY, SHORING OR SUFFICIENT SHEET PILES SHALL BE USED DURING EXCAVATION TO AVERT SIDE COLLAPSE.

- 3.2 SAND BEDDING SHALL BE PROVIDED IN ALL FOUNDATIONS AND STONE BEDDING IN MARSHY COTTON SOIL.
- 3.3 IN CASES WHERE THERE IS NO GROUND WATER THE FOUNDATIONS SHALL BE SOAKED WITH WATER FOR 24HOURS AND COMPACTED PRIOR TO PLACEMENT OF LEAN CONCRETE.

- 3.4 LOOSE POCKETS OF SOIL FORMATION WITHIN THE PIT SHALL BE DISCARDED AND REPLACED WITH LEAN CONCRETE AND COMPACTED WELL BEFORE FOUNDATION LAYING.
- 3.5 FOUNDATION PIT SHALL REMAIN FREE FROM WATER DURING FOUNDATION WORKS.
- 3.6 BACKFILL SHALL BE DONE WITH APPROPRIATE FILL MATERIAL PREFERABLY MURRAM.
- 3.7 BACK FILLING SHOULD BE FREE OF ANY DELETERIOUS MATERIAL.
- 3.8 BACK FILLING SHALL BE DONE IN LAYERS NOT EXCEEDING 200MM, WATER SHALL BE SPRINKLED FOR PROPER COMPACTION WITH MINIMUM SOIL DENSITY OF 1600KG/M<sup>3</sup>.
- 3.9 BACK FILLING SHALL BE DONE SYSTEMATICALLY COMMENCING FROM THE CENTRAL REGION TOWARDS OUTSIDE.
- 3.10 ONCE BACK FILLING IS COMPLETED 50MM HIGH EARTH WILL BE PLACED AROUND THE EXCAVATED SECTION EDGE AND SUFFICIENT WATER POURED OVER THE FILL FOR AT LEAST 24HRS.
- 3.11 FINISHED GROUND LEVEL AT COLUMN SHOULD BE SLOPED AWAY WITH A SLOPE OF 1:3 TO PREVENT PONDING.
- 3.12 SURFACE DRAINAGE OF THE PLOT SHOULD BE RAISED TO AVERT WATER LOGGING AROUND THE FOUNDATION.
- 3.13 THE BASE PLATE ENCASEMENT SHALL BE RAISED TO A LEVEL APPROPRIATE FOR THE SITE.
- 3.14 EXCAVATION LAYOUT WILL VARY DEPENDING ON THE TOPOLOGY OF THE SOIL.

### 4. TEMPLATE ASSEMBLY/ GROUTING

- 4.1 VERIFY BOLT, NUT SIZE AND LENGTH MATCH THE MANUFACTURER SHOP DRAWINGS.
- 4.2 CONSULT WITH THE ENGINEER ON MATTER PERTAINING INTEGRITY OR DEFECTS OF THE BOLT AND NUT PRIOR TO EXECUTION.
- 4.3 GROUTING UNDER BASE PLATE HAS TO BE DONE WITH FREE FLOW NON-SHRINK GROUT HAVING EQUIVALENT TO THE STUB COLUMN CONCRETE

CLIENT



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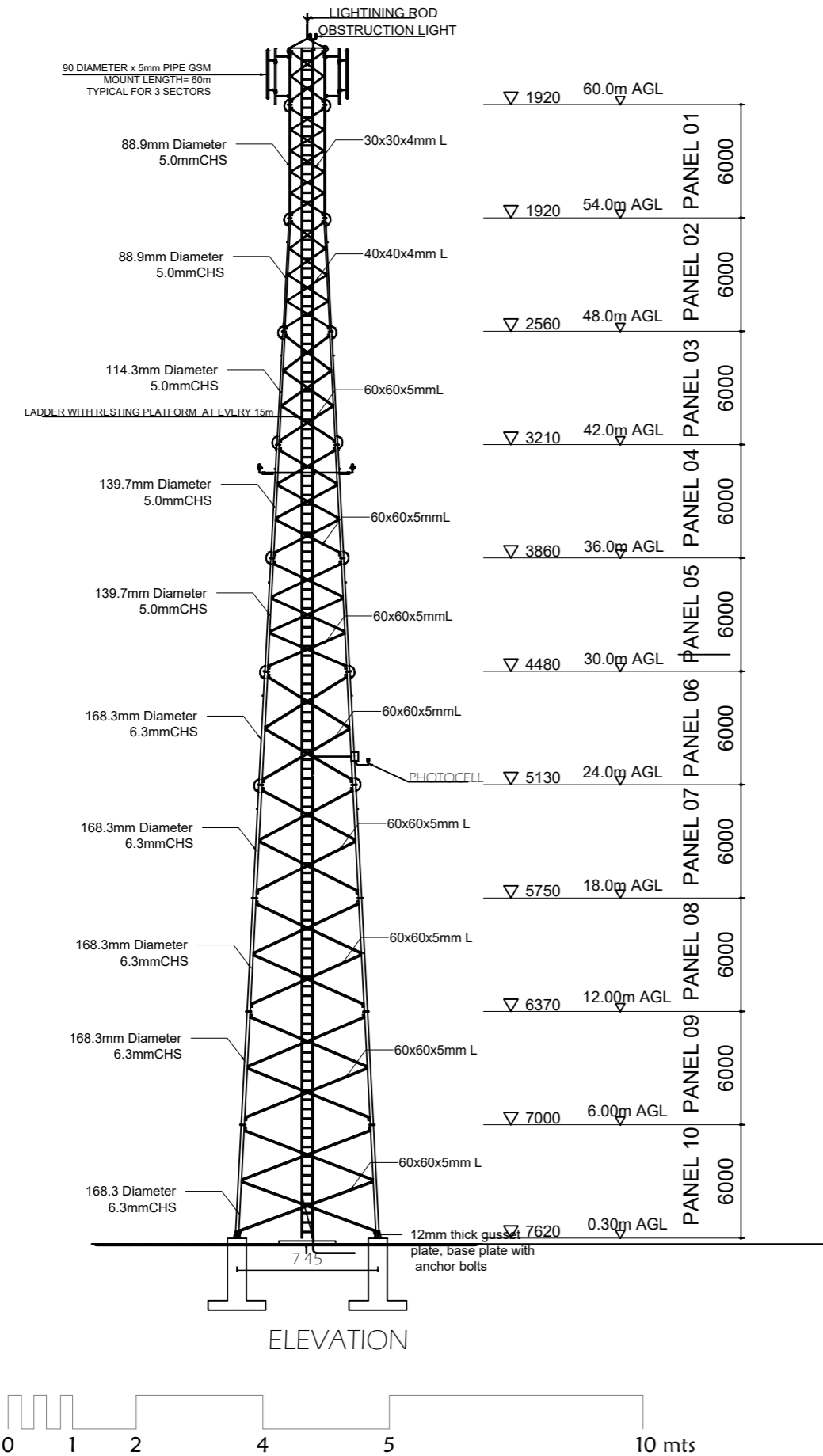
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DRAWING #

DRAWING TITLE

MAST ELEVATION

SHEET NO. 21



PANEL NO	SECTION		
	LEG	DIAGONAL	HORIZONTAL
01	89.9x5CHS	30x30x4 L	30x30x4 L
02	89.9x5CHS	40x40x4 L	40x40x4 L
03	114.3x5CHS	60x60x5 L	60x60x5 L
04	139.7x5CHS	60x60x5 L	60x60x5 L
05	139.7x5CHS	60x60x5 L	60x60x5 L
06	168.3x6.3CHS	60x60x5 L	60x60x5 L
07	168.3x6.3CHS	60x60x5 L	60x60x5 L
08	168.3x6.3CHS	60x60x5 L	60x60x5 L
09	168.3x6.3CHS	60x60x5 L	60x60x5 L
10	168.3x6.3CHS	60x60x5 L	60x60x5 L



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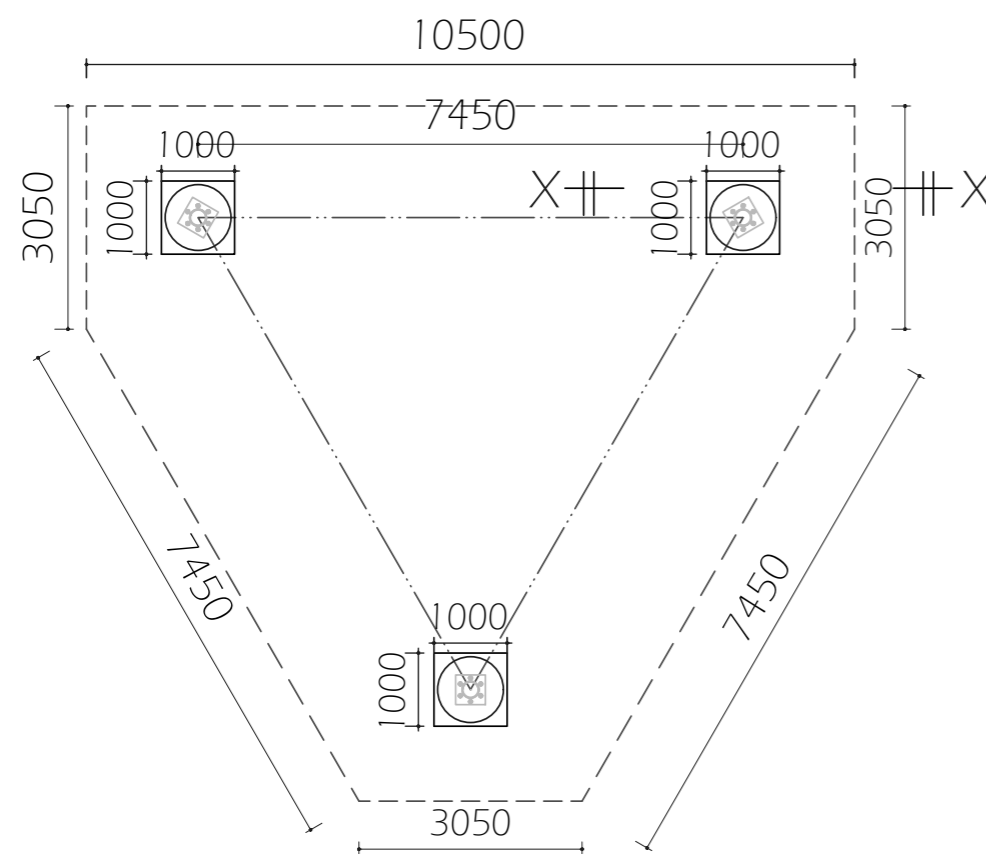
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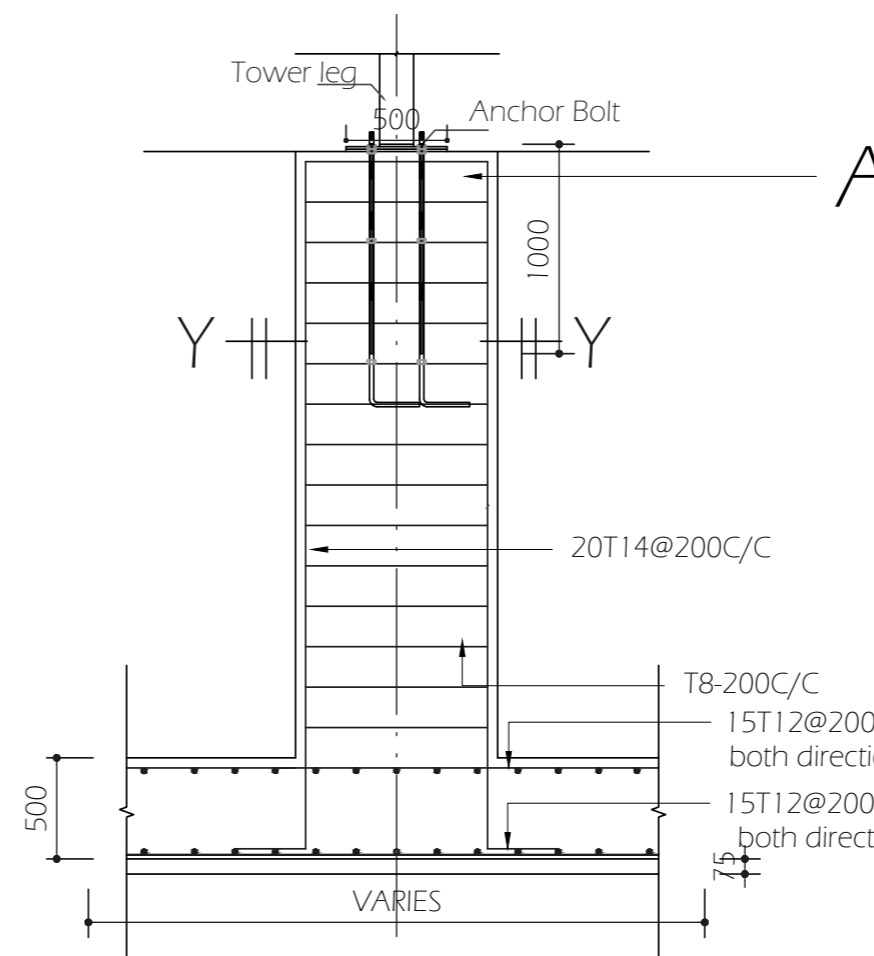
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RAFT BASE - FOUNDATION  
DETAIL

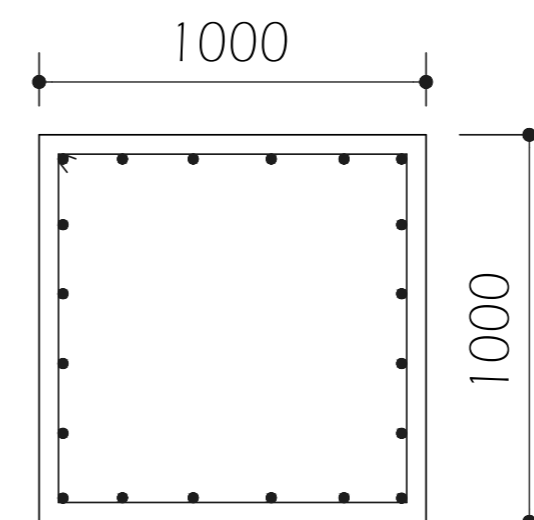
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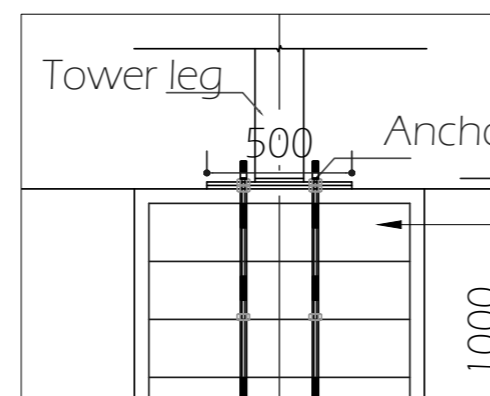
BASE WIDTH OF TOWER  
PLAN



SECTION X-X



SECTION Y-Y



A



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<b>PLOT SIZE:</b>	36mx19M

DATE 8/12/2025

DRAWN BY .....

CHECKED BY #

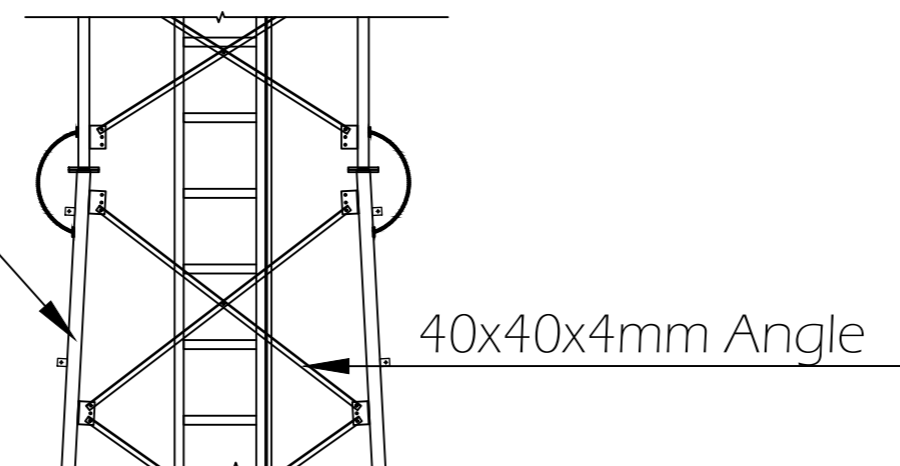
DRAWING #

## DRAWING TITLE

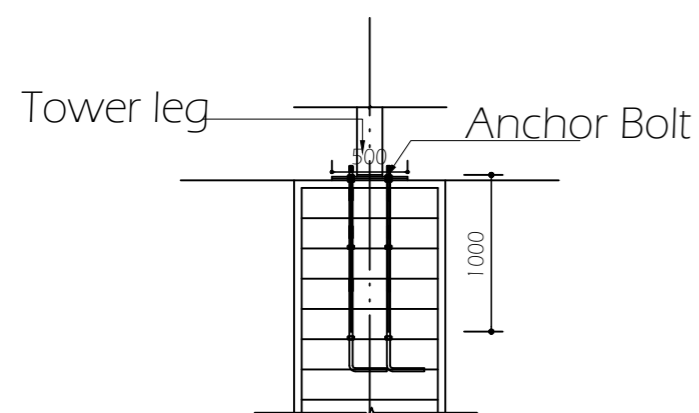
CONNECTION DETAILS

**SHEET NO.** 24

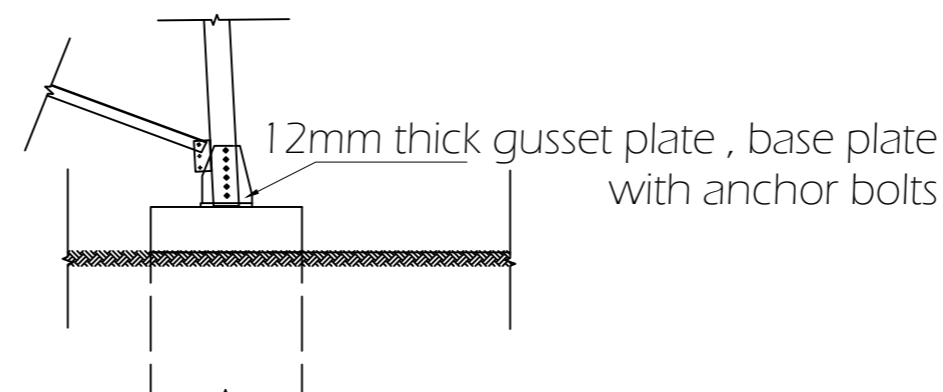
88.9mm Diameter 5.0mm  
CHS



CONNECTION DETAILS



BASE PLATE DETAIL



CONNECTION TO BASE PLATE

