

# Colombo Train Control Centre(CTCC) and Railway Operations Headquarters(ROHQ)

@ **Maradana**

On a rail transport system, **signalling control** is the process by which control is exercised over train movements by way of railway signals and block systems to ensure that trains operate safely, over the correct route and to the proper timetable.

CONCEPTUAL PROPOSAL



# Site condition

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Site googol map

# Site condition

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Entrance road

## Site pictures - inside of the site



Entrance to building complex



Existing railway building complex

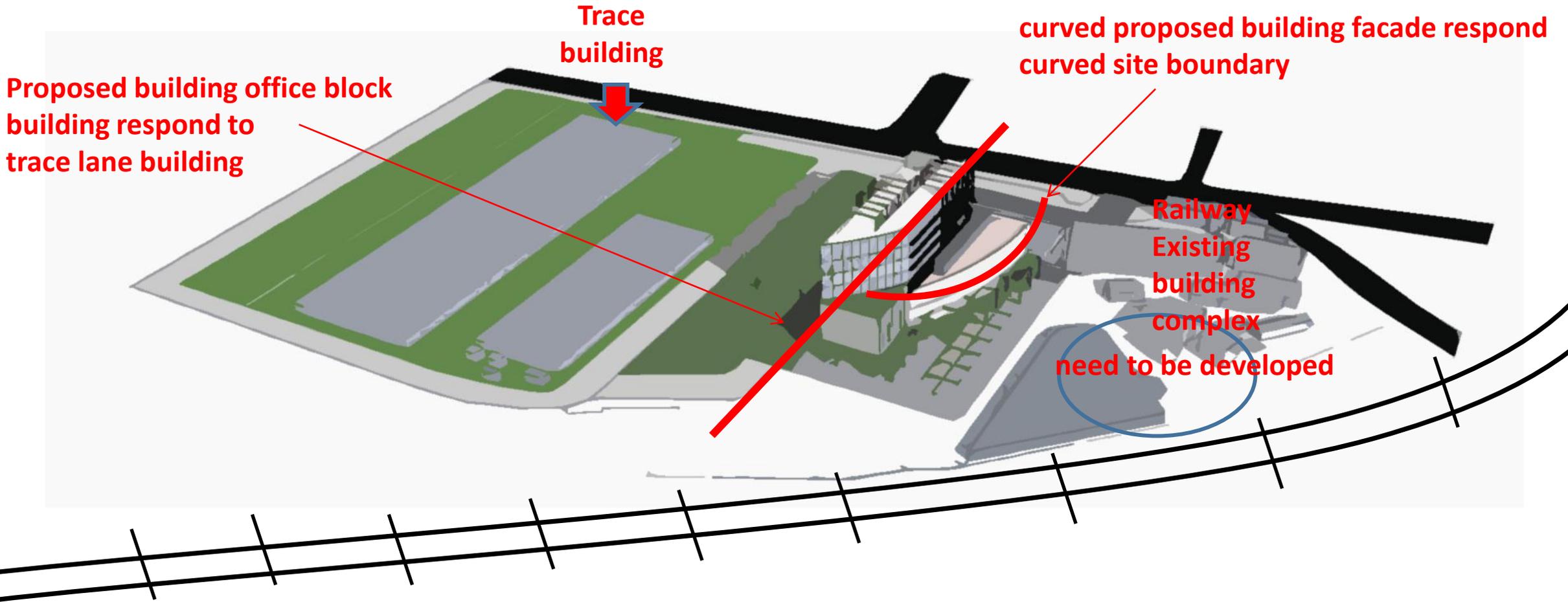


Old building



Trace In

## Concept – Context Respond



Basically design two building block - **office and control center**, control center is the curved building block which respond to curved railway track and curved edge of the site. Office block straight line respond to the trace buildings and liner context of the site.

In future railway scattered development in right side of the site need to be develop.

# What kind of Architecture

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Aim of the,  
Building architectural style is to make this building a structurally notable and historically identifiable.

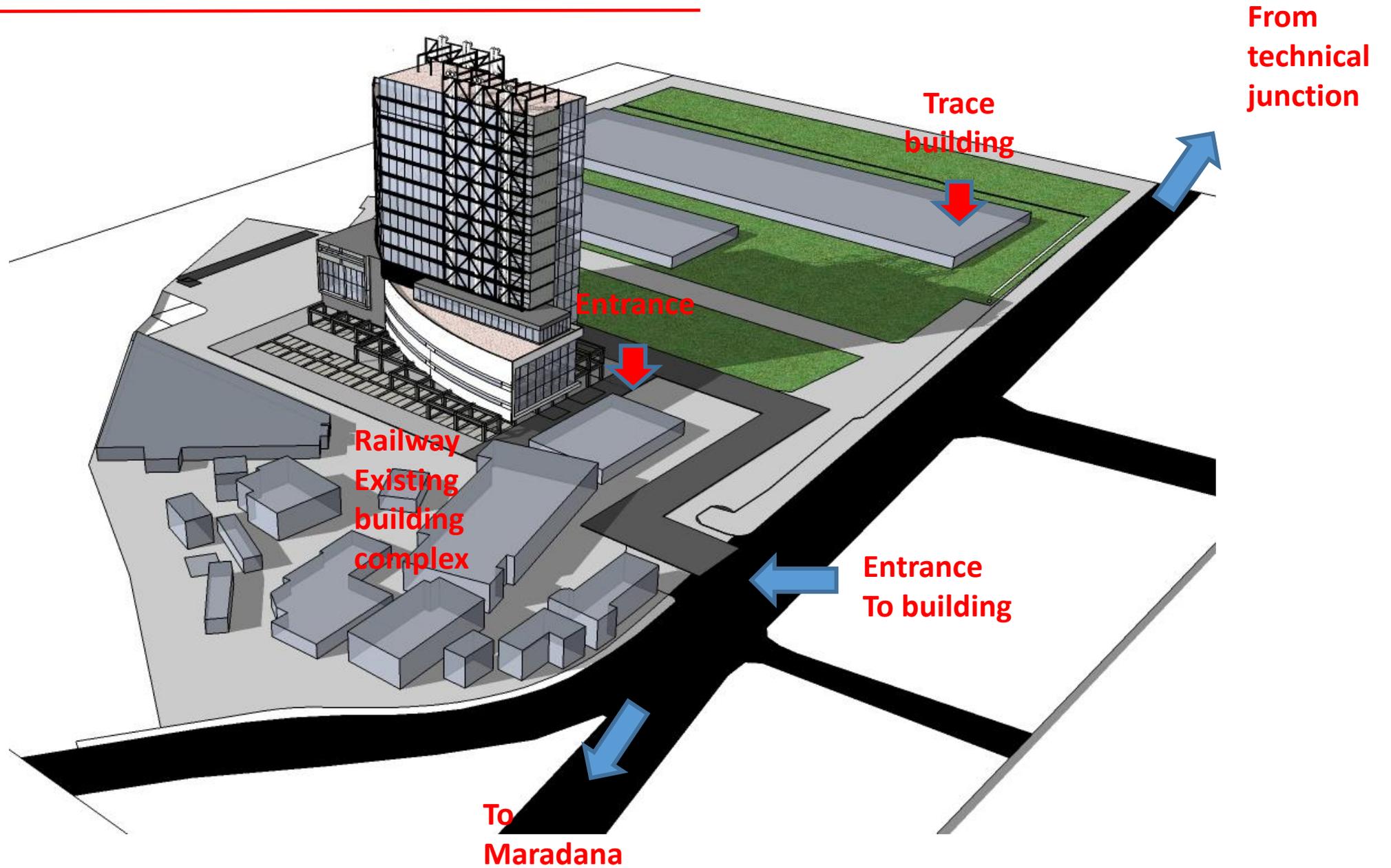
style may include such elements as a form of,  
\*method of construction,  
\*building materials.

Which encloses in **High Tech Architecture**

*“In this project aim to highlight high tech architectural concepts.”*

# Birds eye view of the site

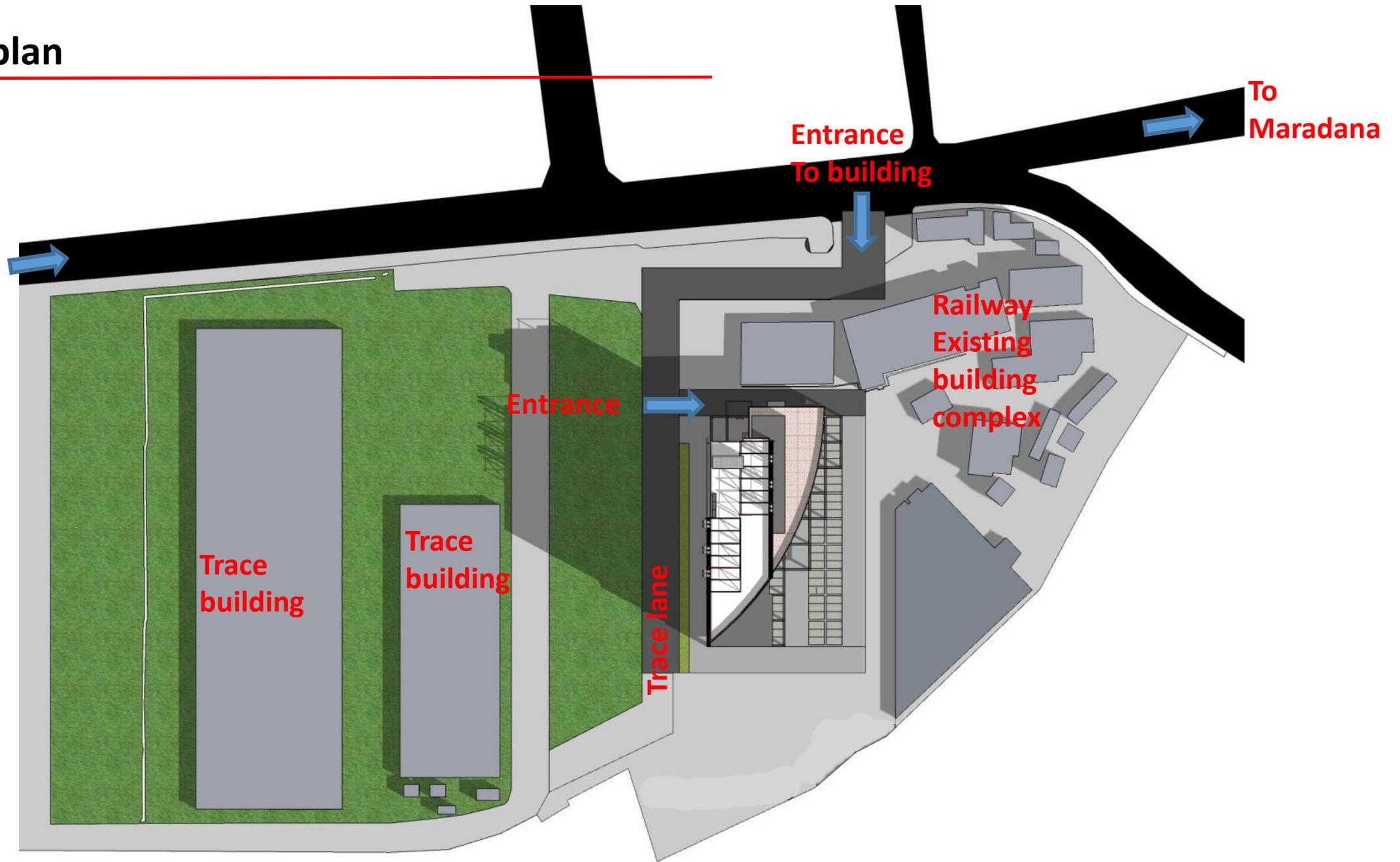
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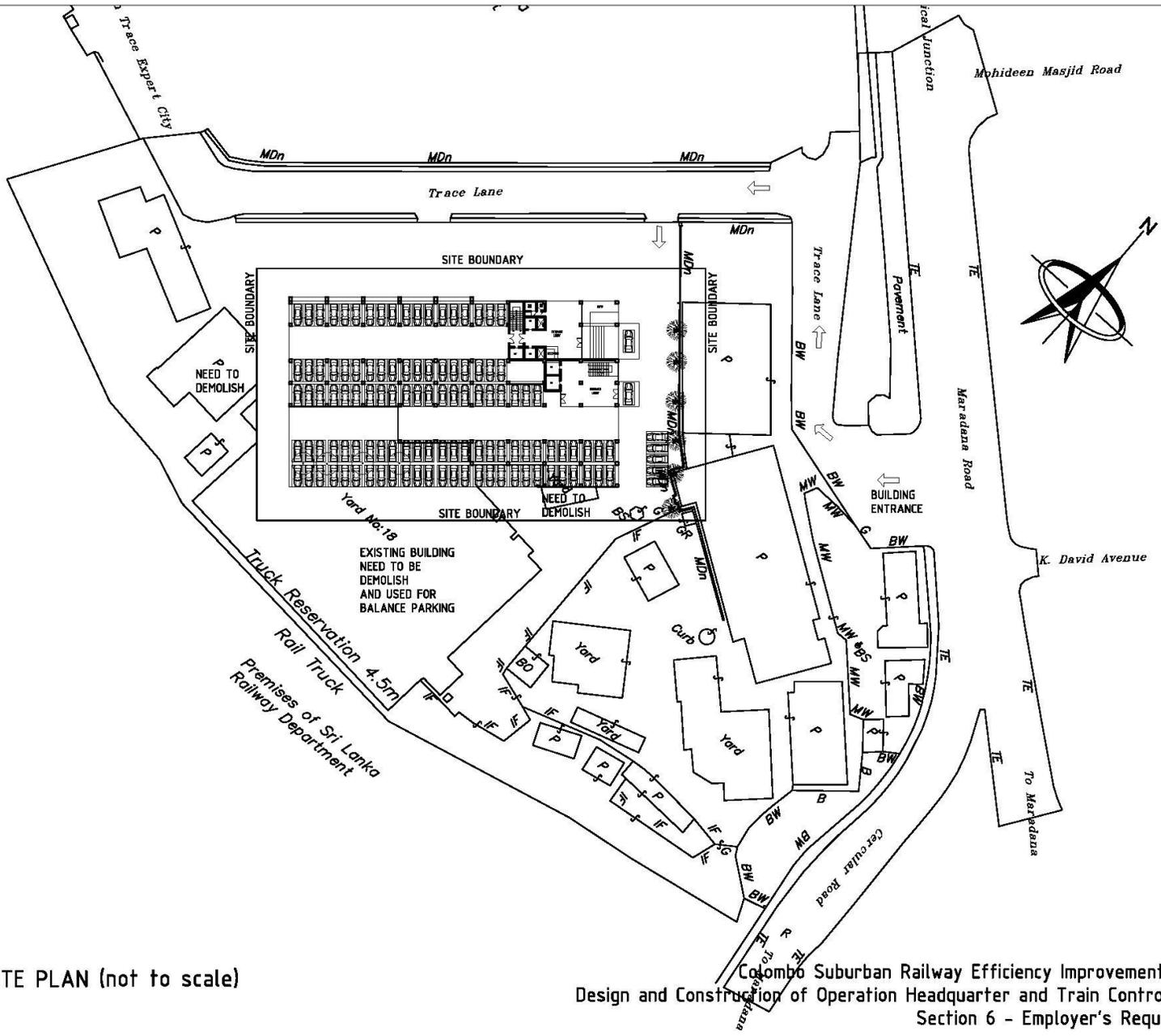
# Layout plan

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From  
technical  
junction

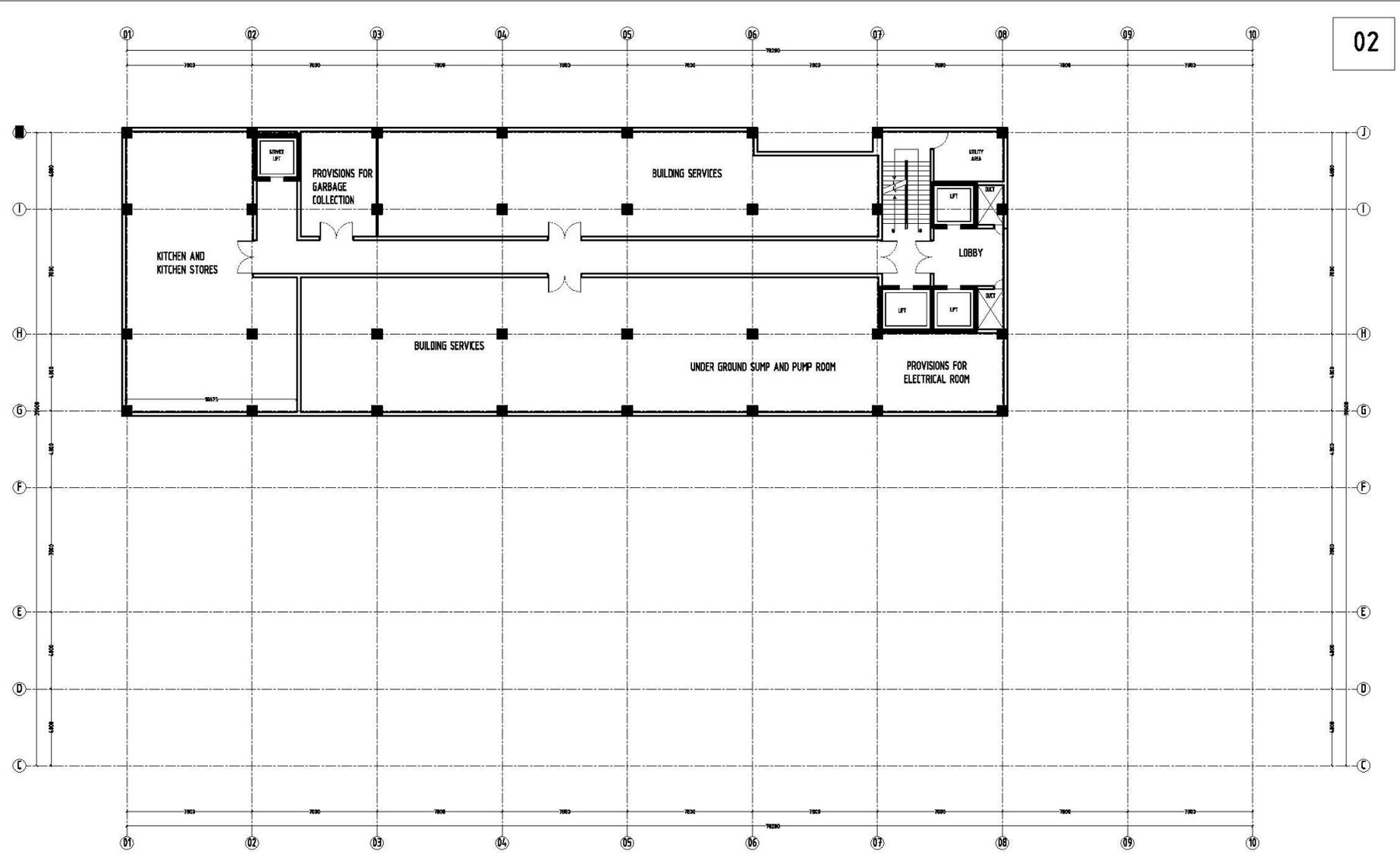


# **Architectural drawing**

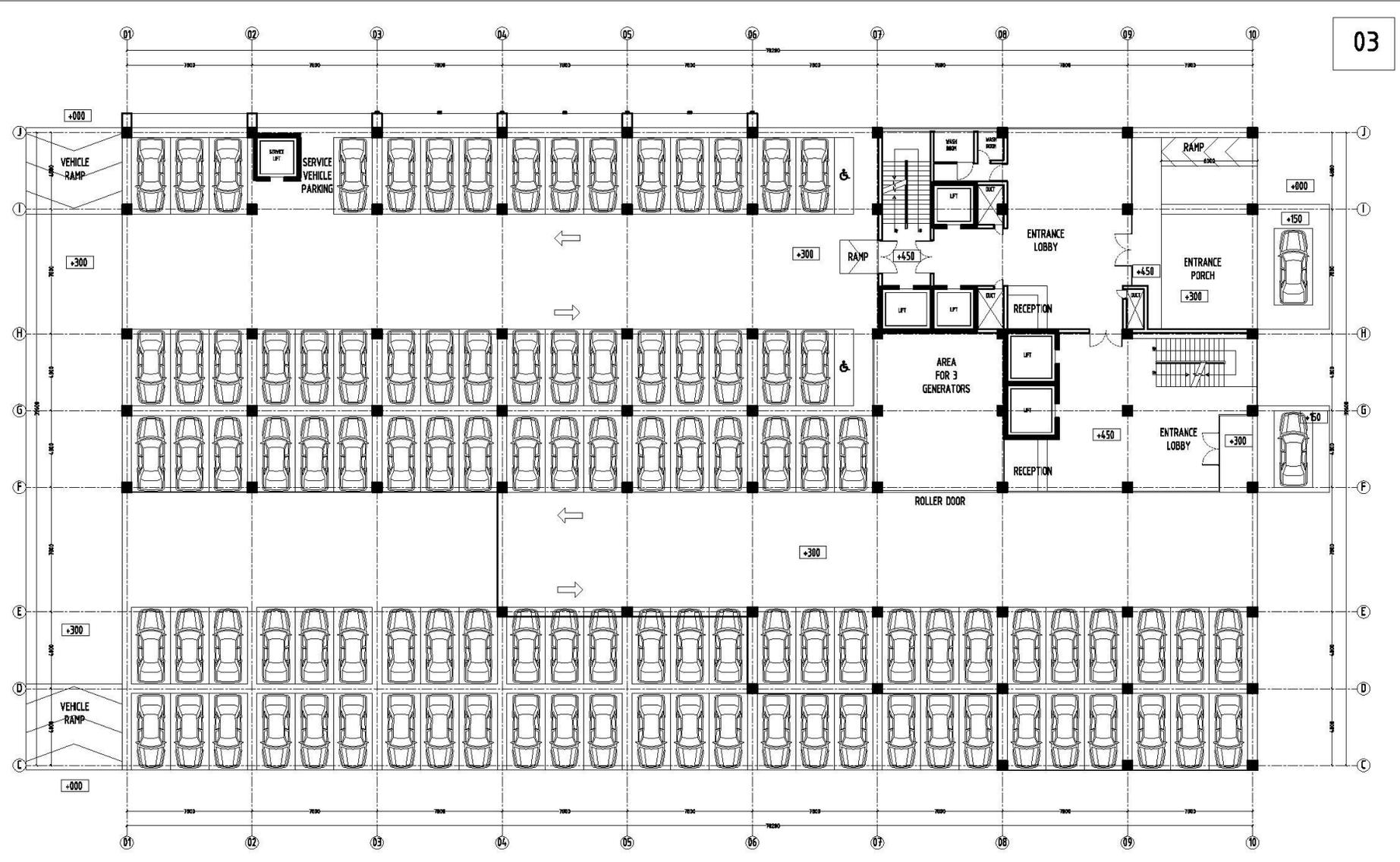


SITE PLAN (not to scale)

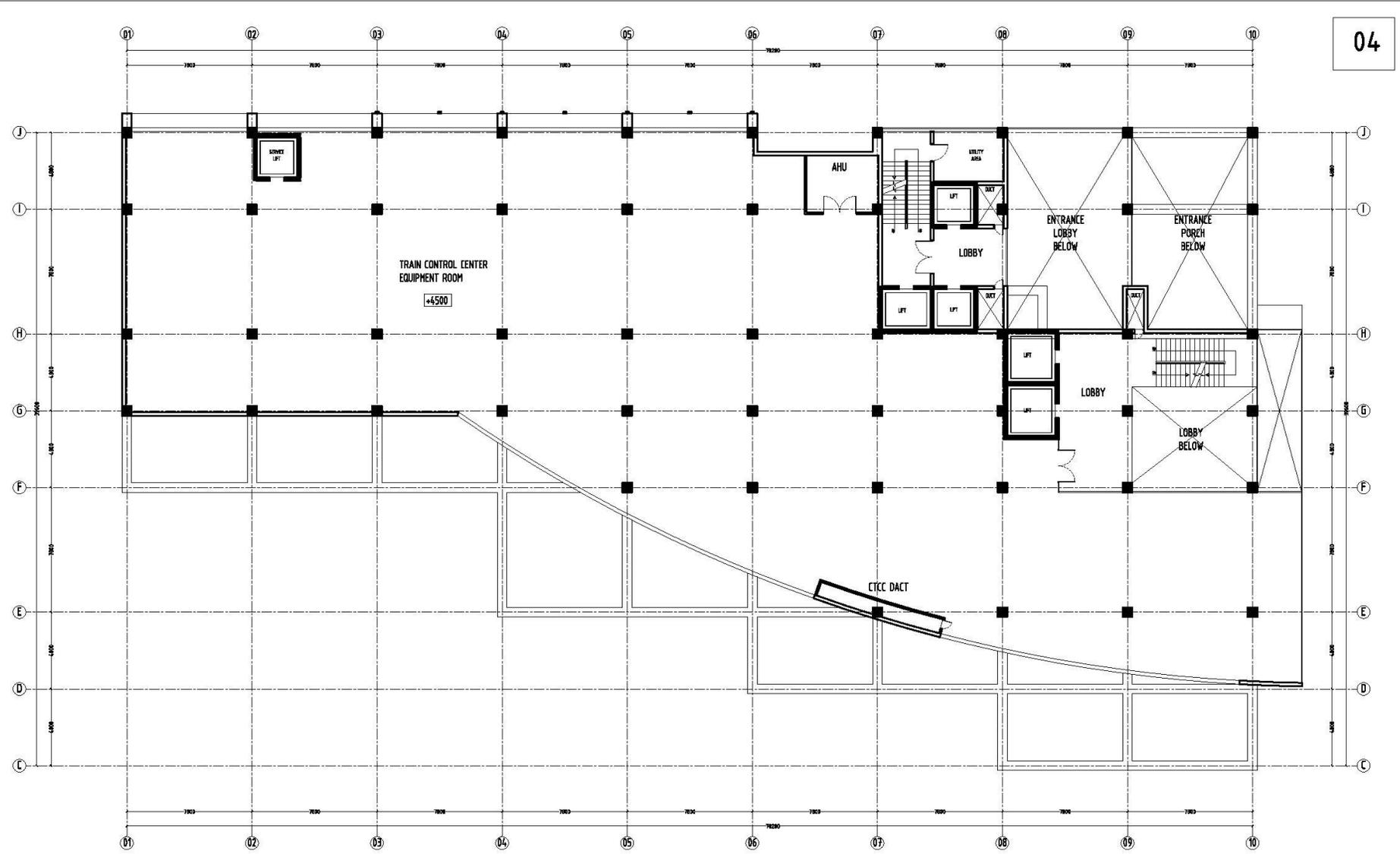
Coombo Suburban Railway Efficiency Improvement Project  
 Design and Construction of Operation Headquarter and Train Control Centre  
 Section 6 - Employer's Requirements



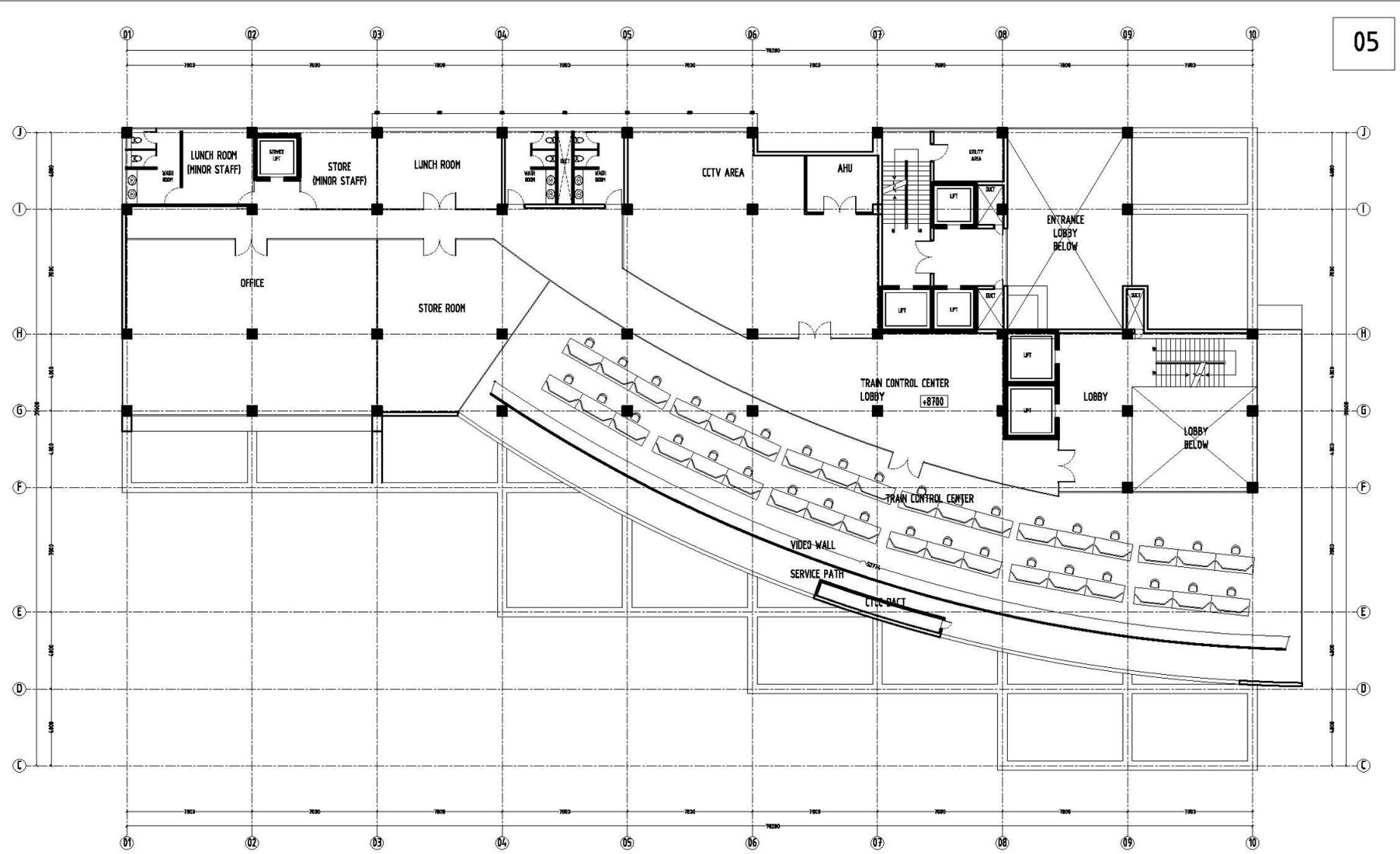
**BASEMENT PLAN (scale NS)**  
**BUILDING SERVICE**  
985 SQ.M



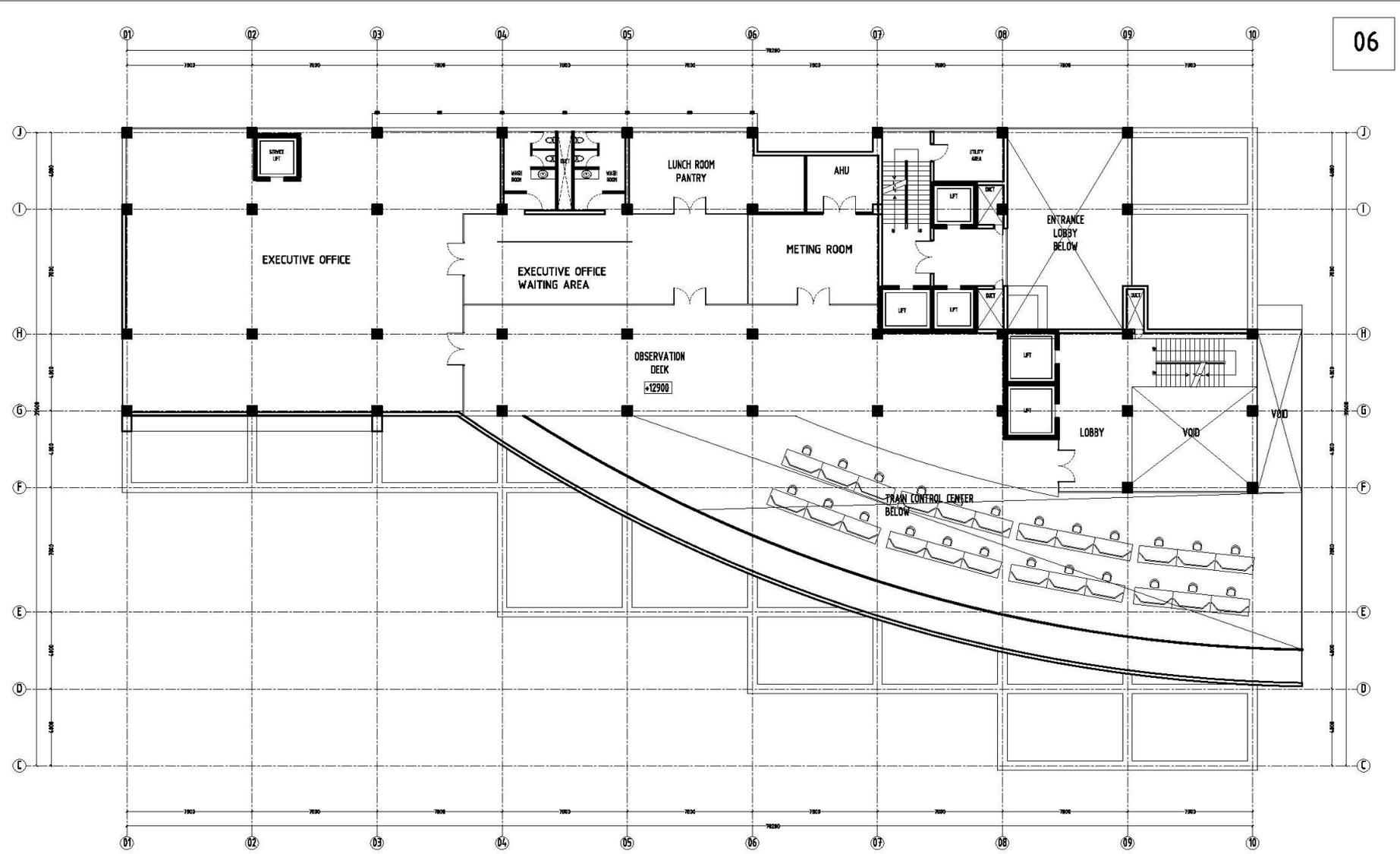
**GROUND FLOOR PLAN (scale NS)**  
**ENTRANCE LOBBY / PARKING**  
2250 Sq.m



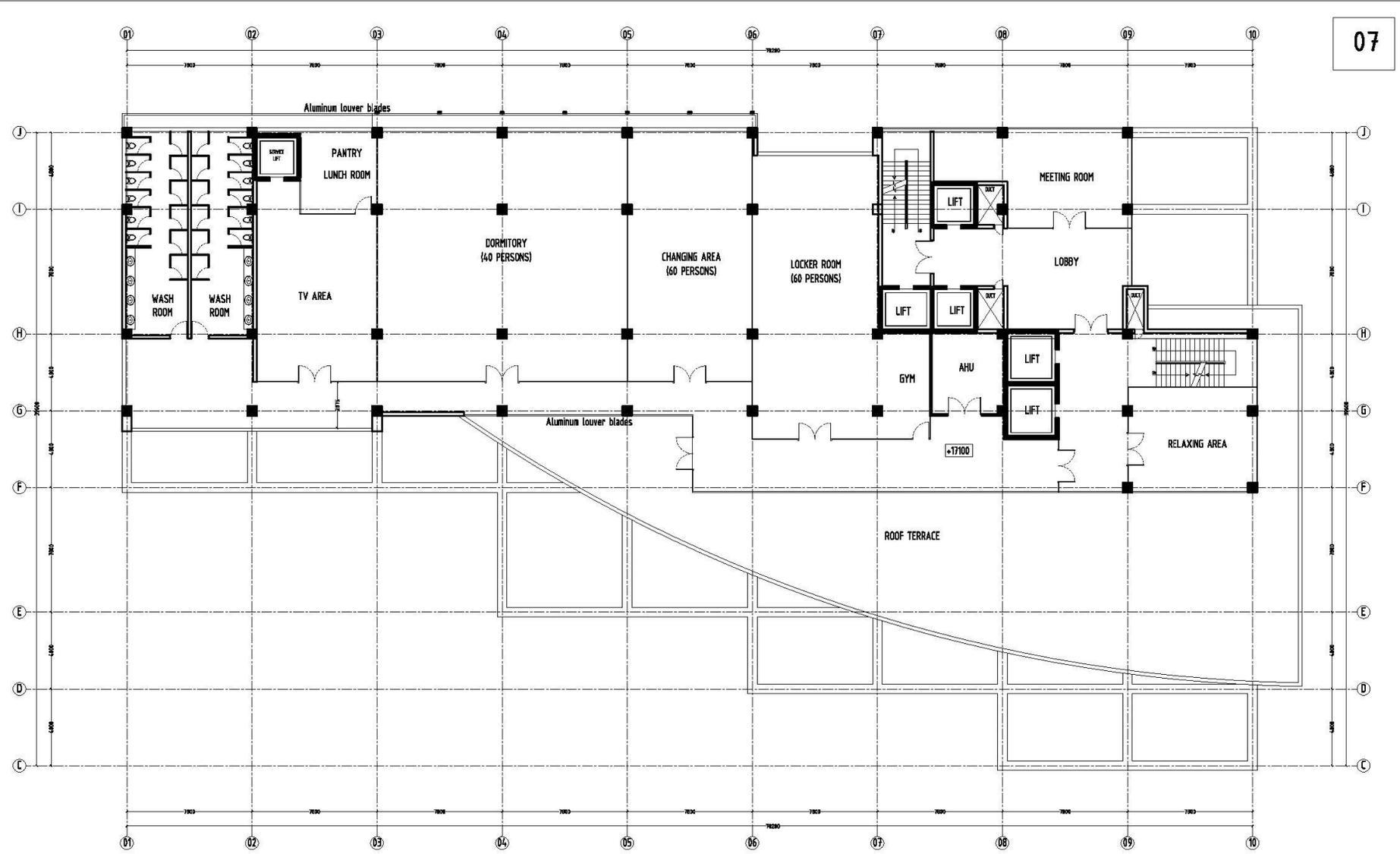
FIRST FLOOR PLAN (scale NS)  
CONTROL CENTER EQUIPMENT ROOM  
1600 Sq.m



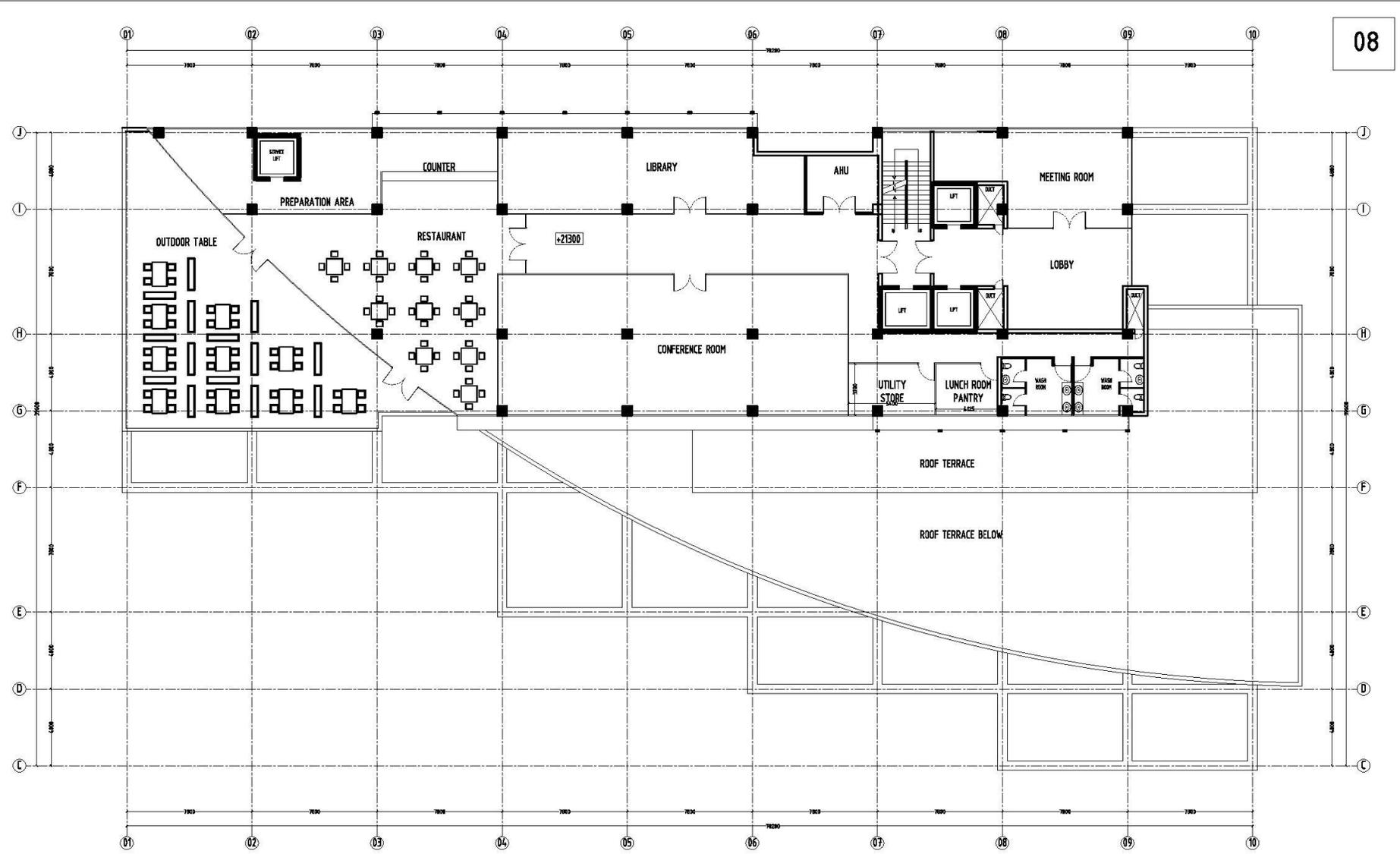
**SECOND FLOOR PLAN (scale NS)**  
**CONTROL CENTER**  
1615 Sq.m



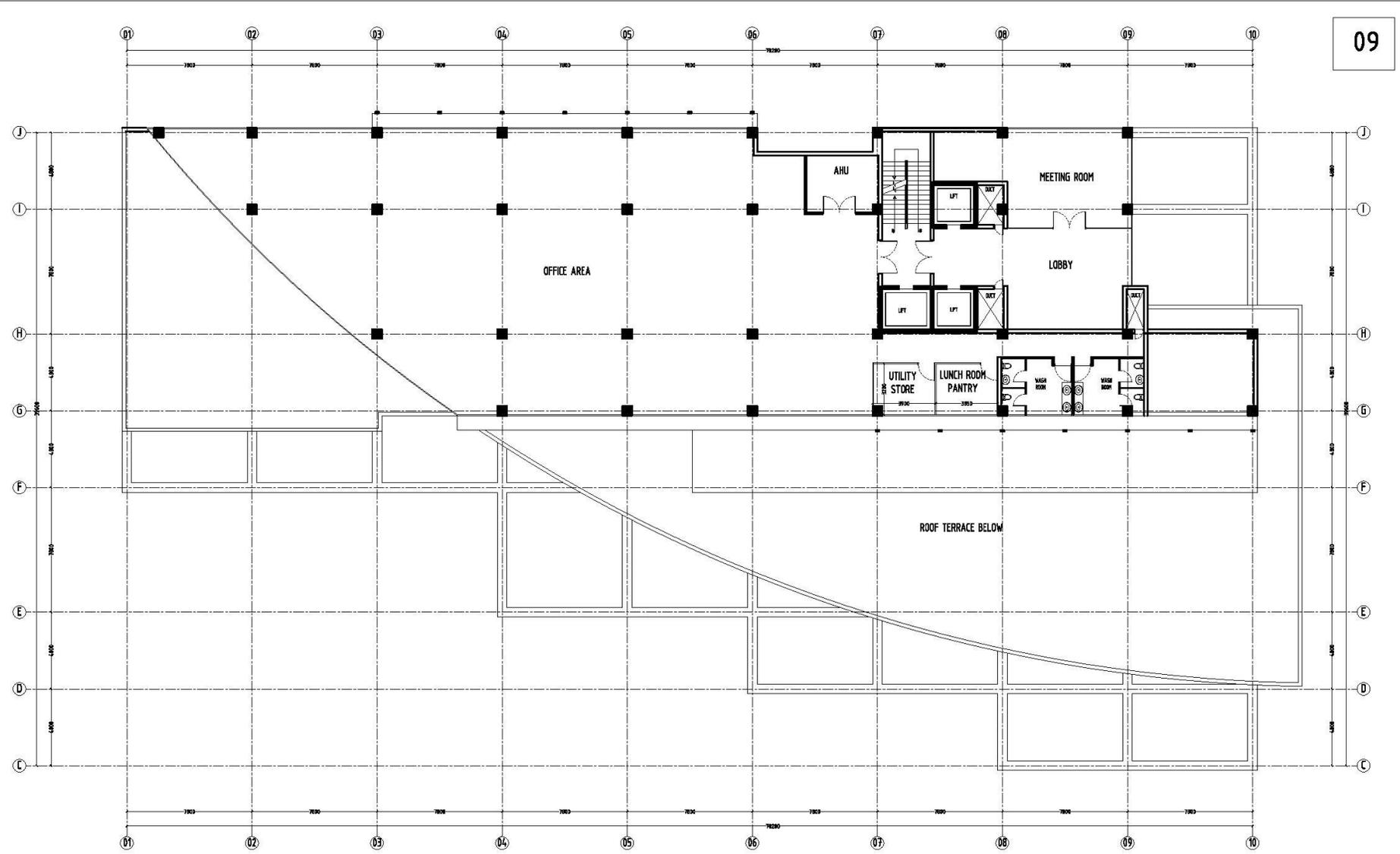
**3RD FLOOR PLAN (scale NS)**  
**CONTROL CENTER**  
1150 Sq.m



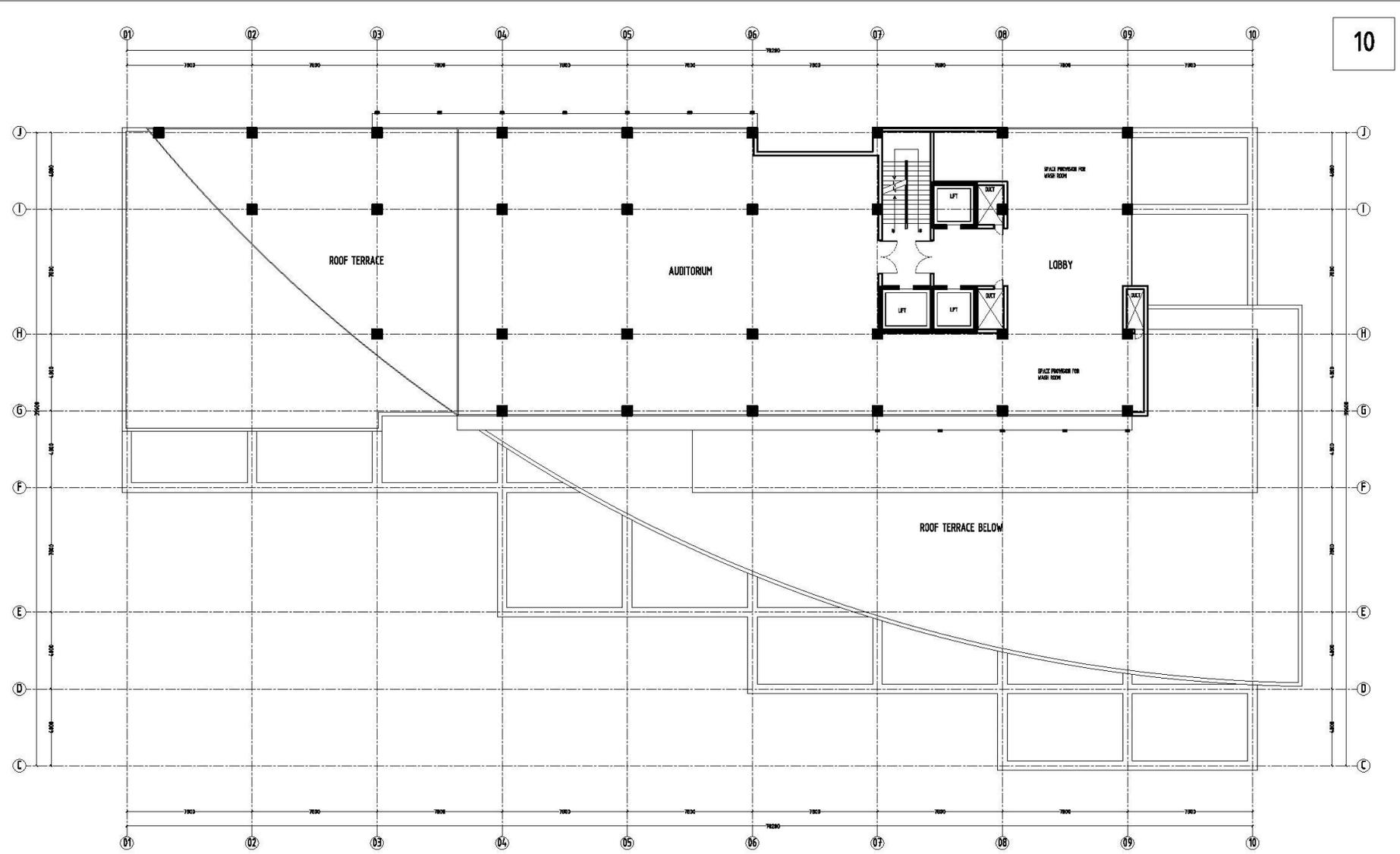
**4TH FLOOR PLAN (scale NS)**  
**RAILWAY CONTROLLERS REST AREA**  
1350 Sq.m



5TH FLOOR PLAN (scale NS)  
RESTAURANT AND AUDITORIUM  
975 Sq.m



6TH,7TH,8TH,9TH,10TH,11TH,12TH FLOOR PLAN (scale NS)  
RAILWAY OFFICE AREA  
975 Sq.m



**13TH FLOOR PLAN (scale NS)**  
**RESTAURANT AND AUDITORIUM**  
754 Sq.m

