

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



Site googol map

Site condition



Entrance road



Site pictures - inside of the site

Entrance to building complex



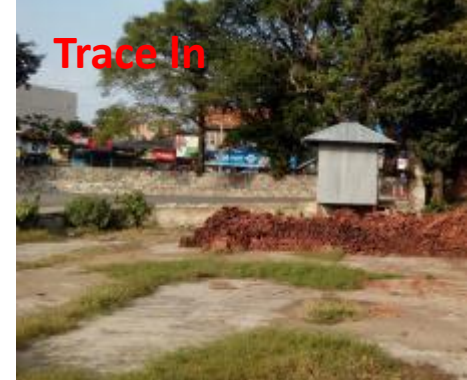
Existing railway building complex



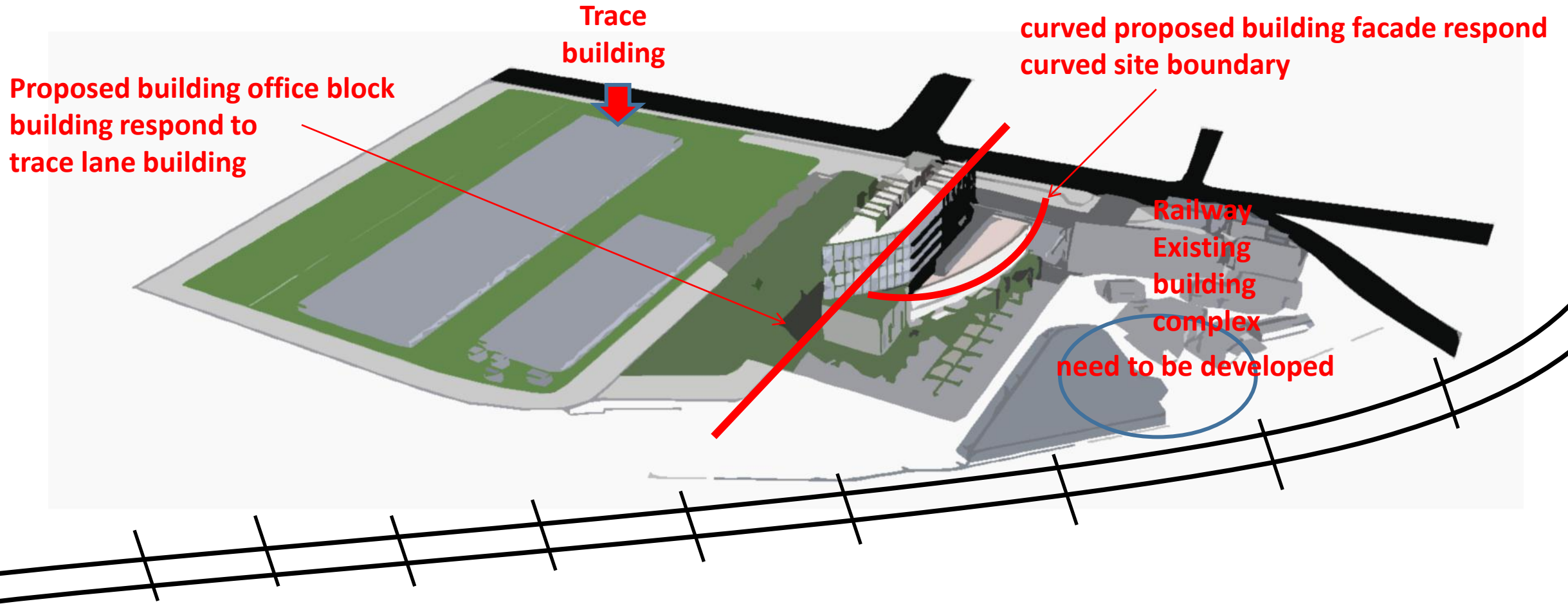
Old building



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



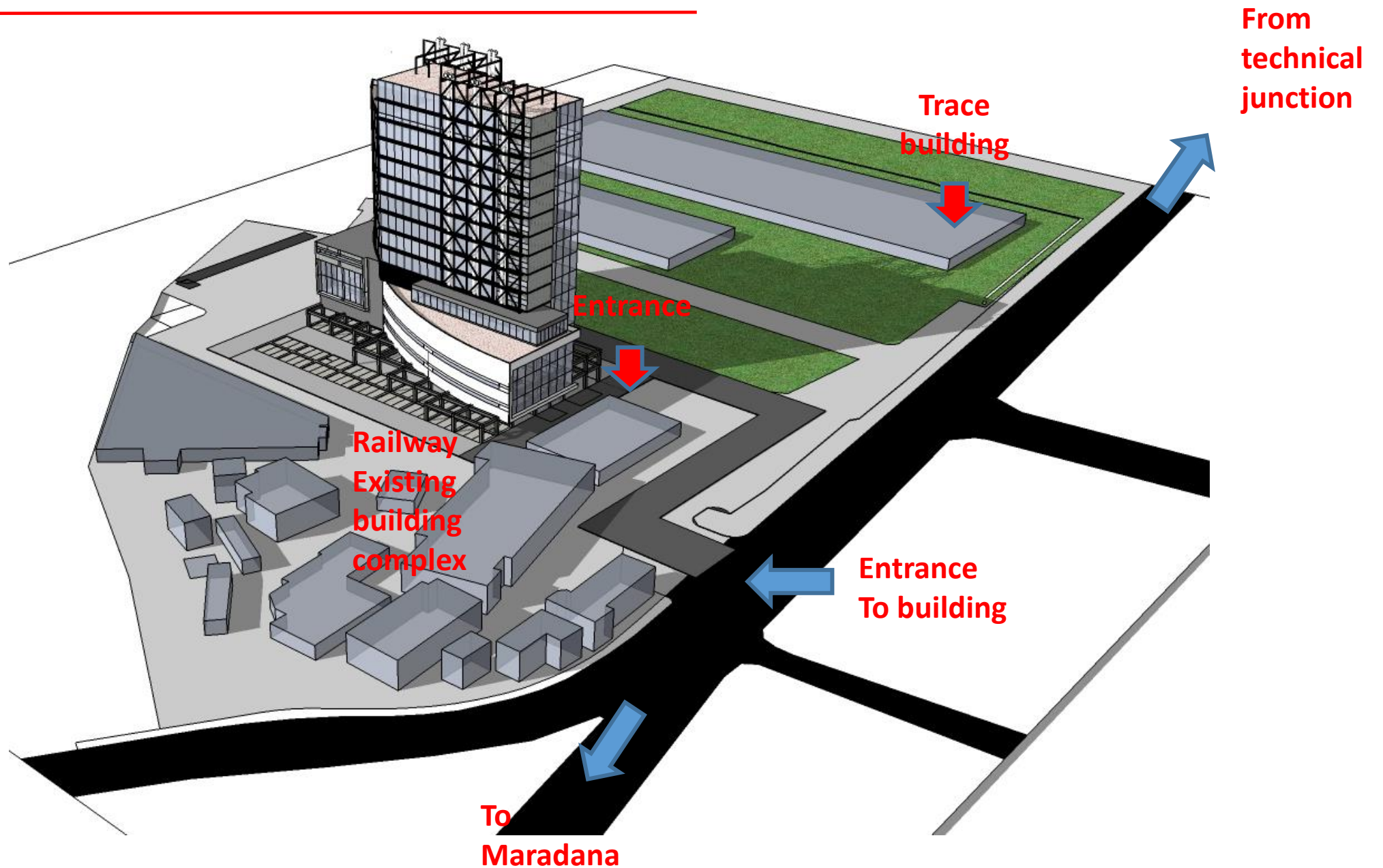
Aim of the,
Building architectural style is to make this building a structurally notable and historically identifiable.

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

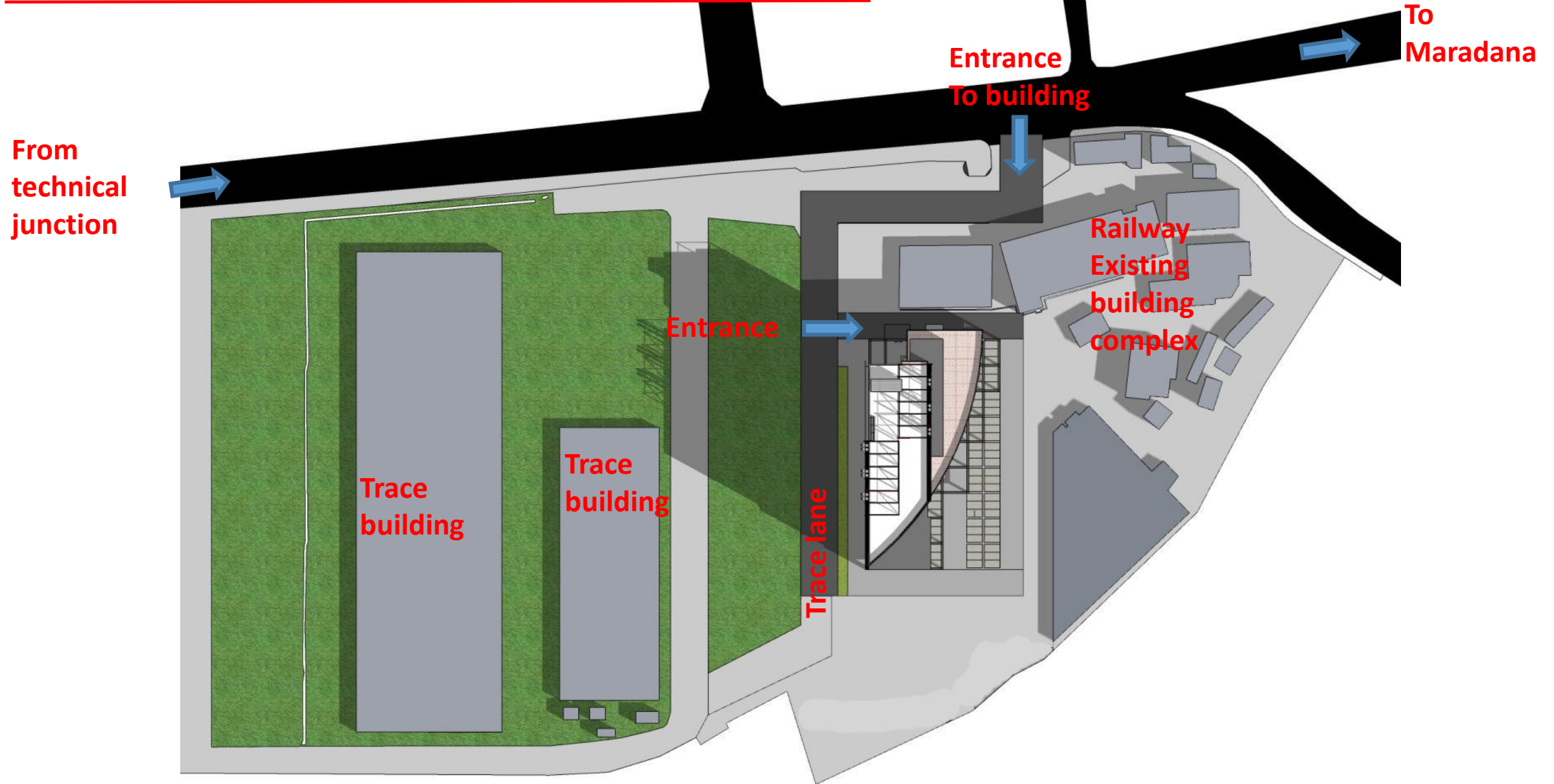
Which encloses in **High Tech Architecture**

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

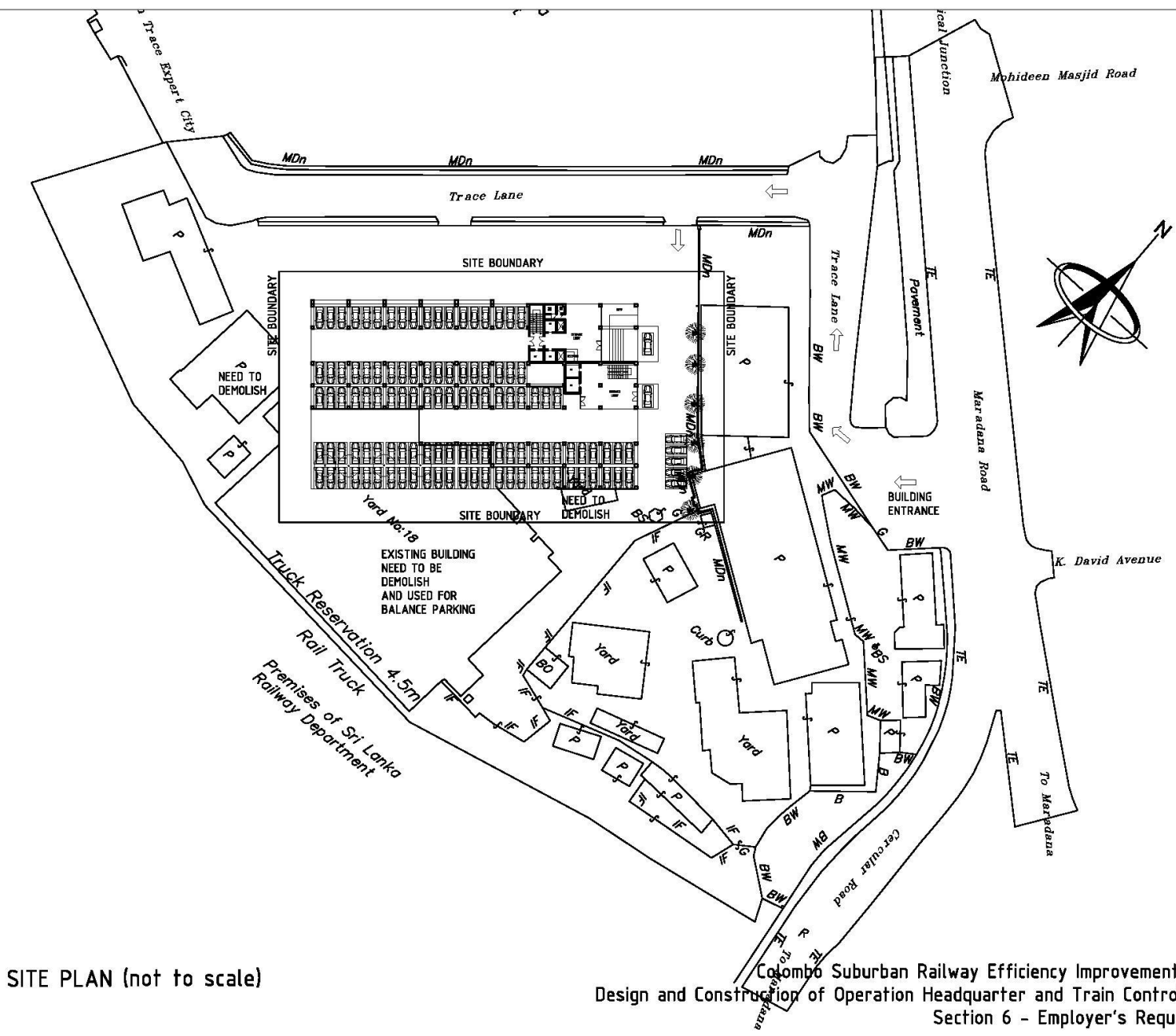
Birds eye view of the site



Layout plan

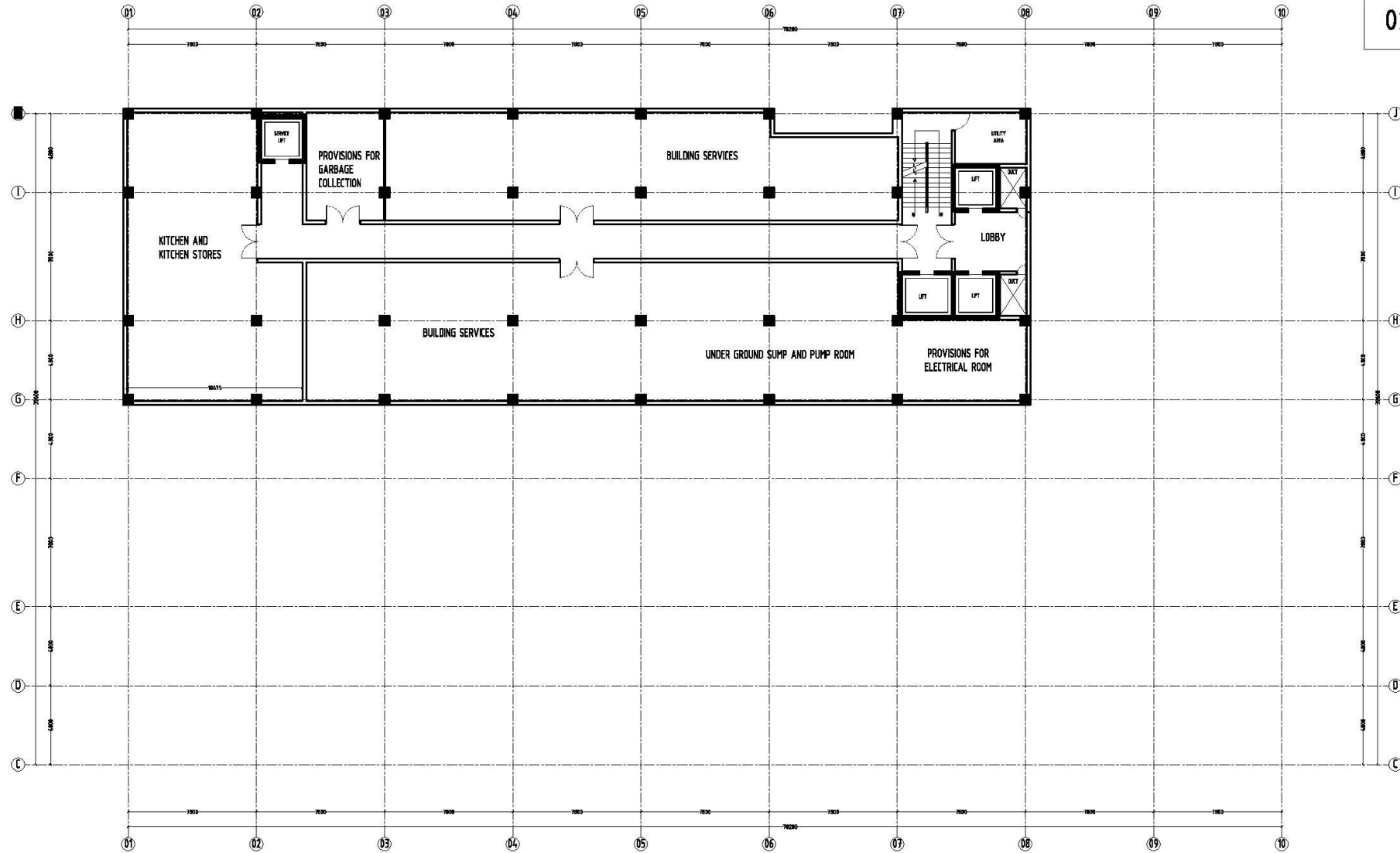


Architectural drawing

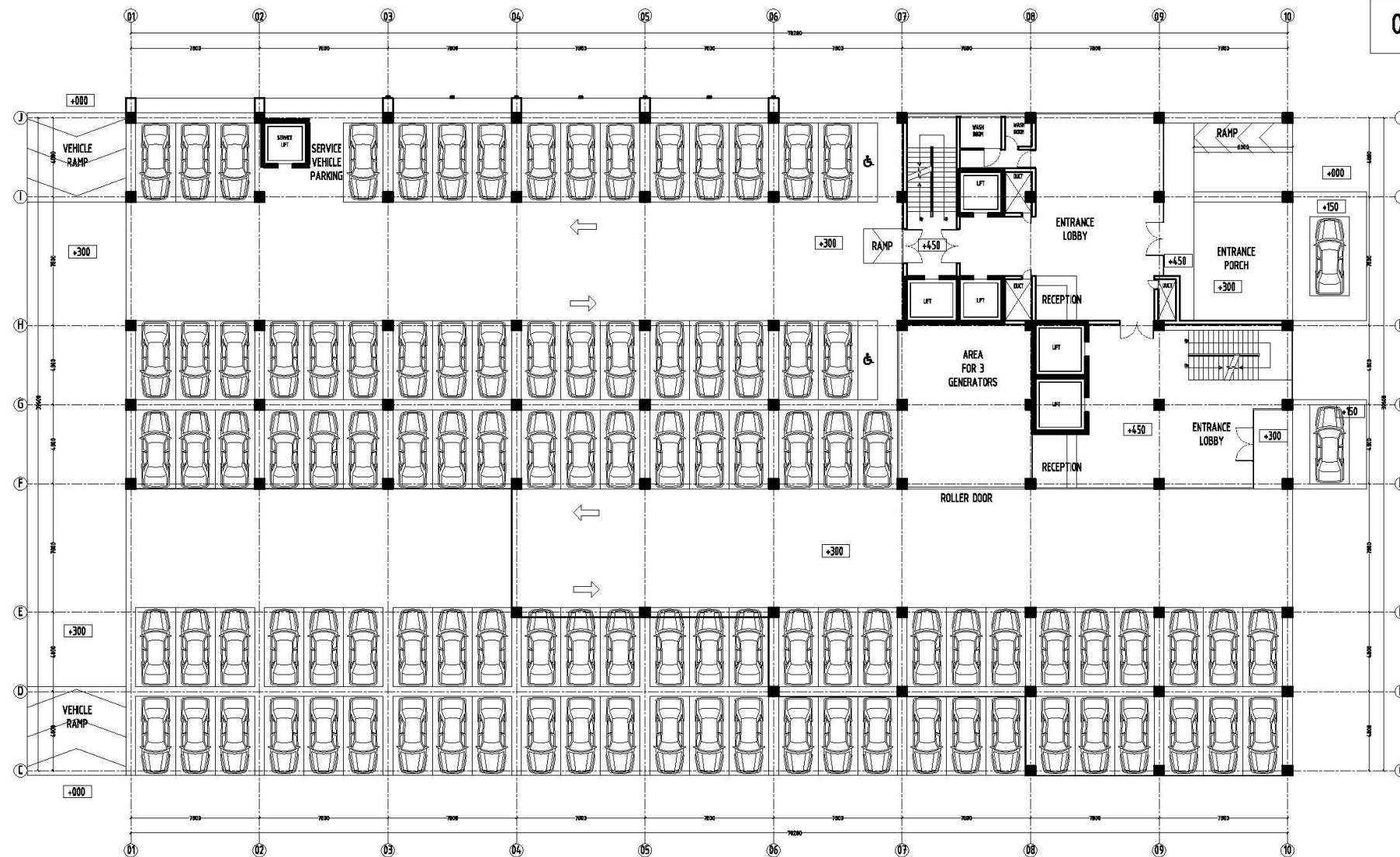


SITE PLAN (not to scale)

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

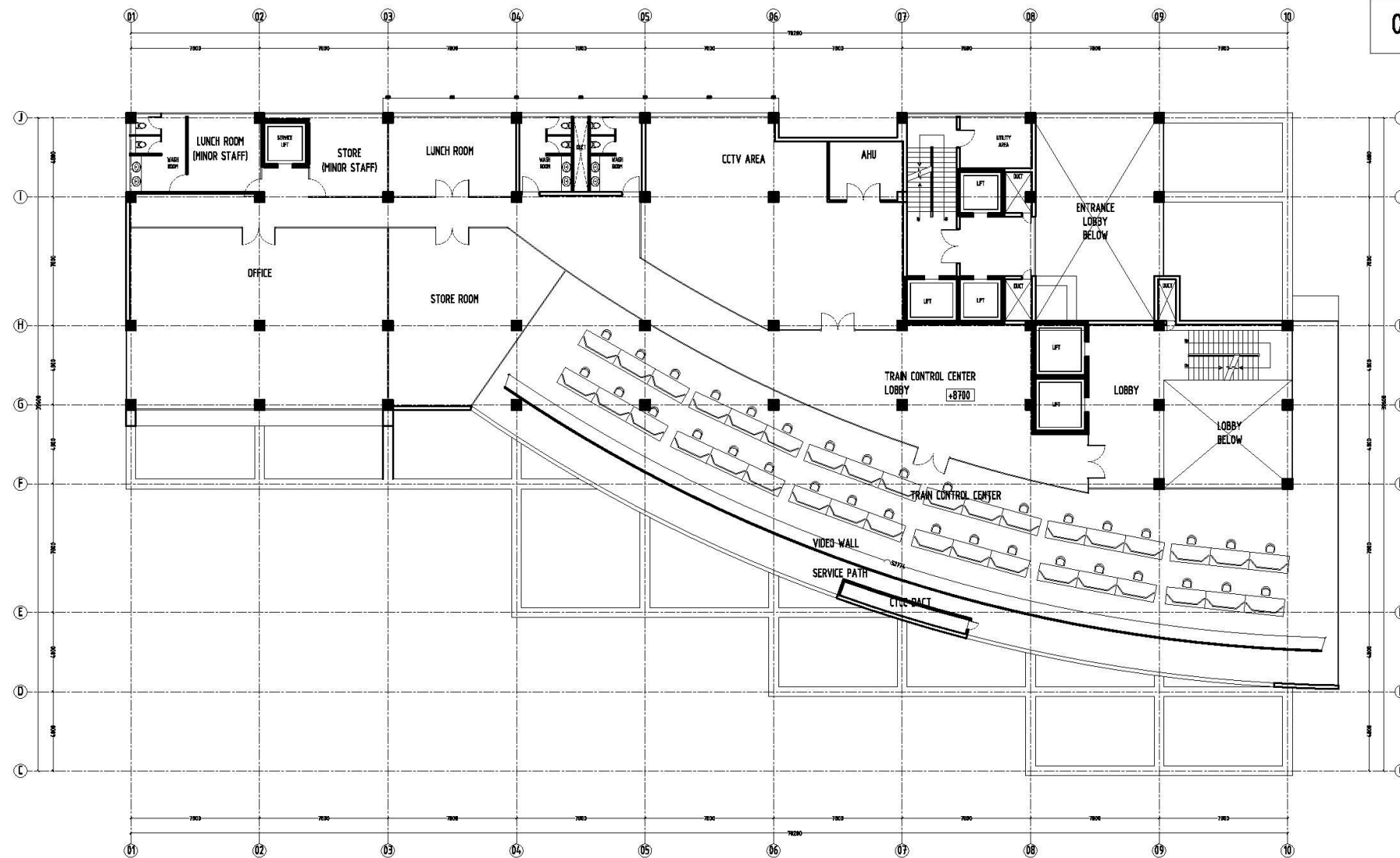


BASEMENT PLAN (scale NS)
BUILDING SERVICE
 985 SQ.M

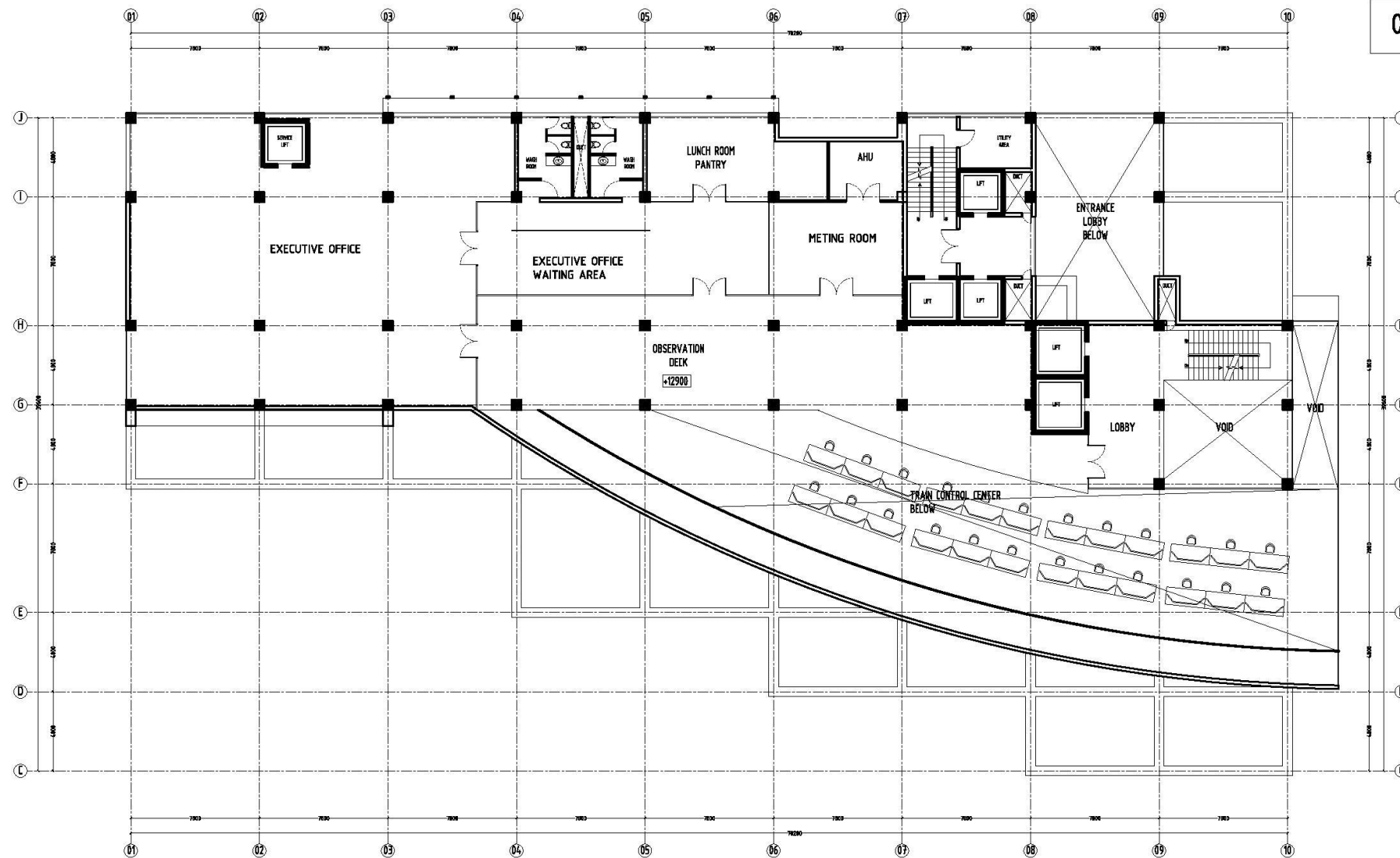


GROUND FLOOR PLAN (scale NS)
ENTRANCE LOBBY / PARKING
 2250 Sq.m

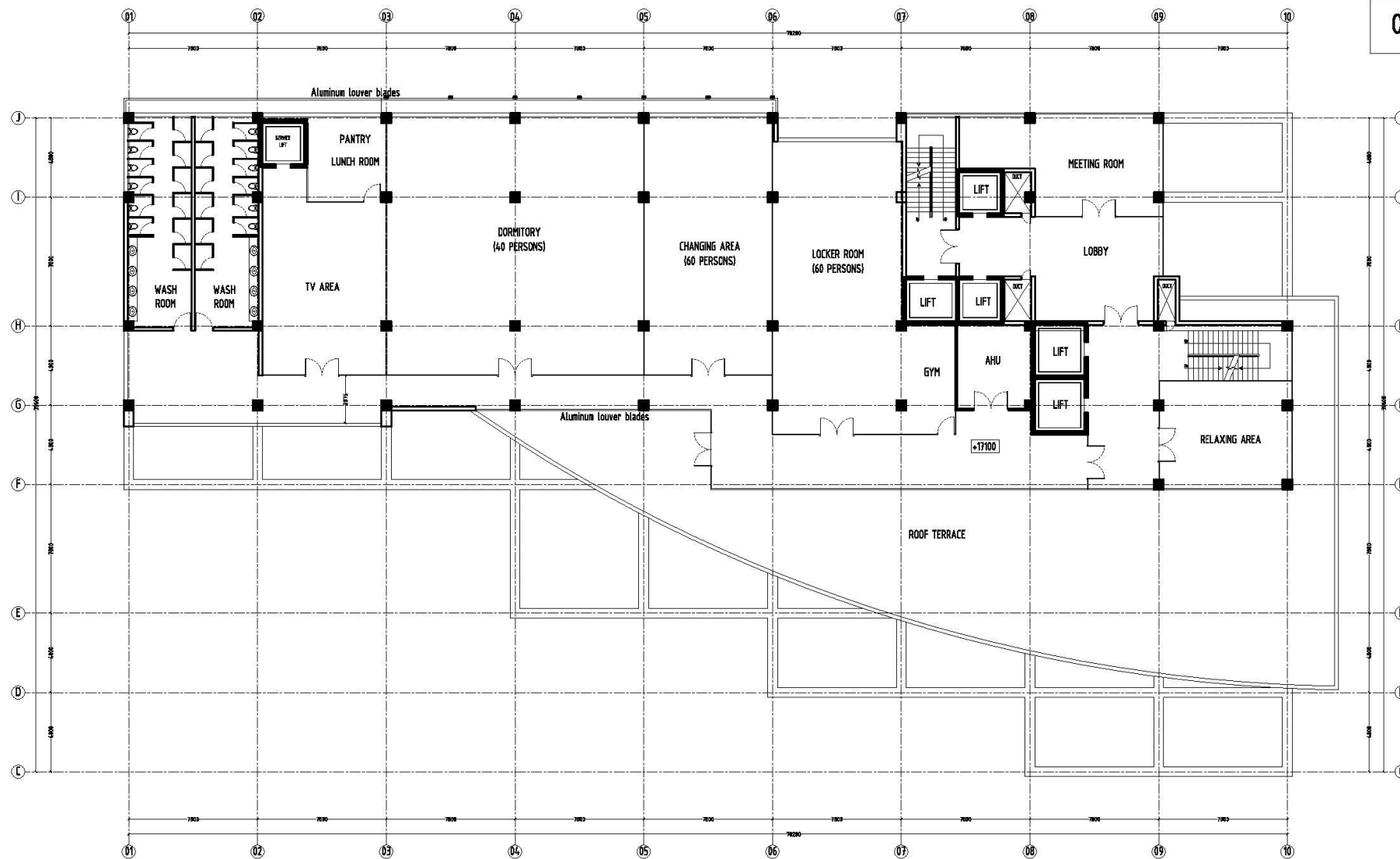
Colombo Suburban Railway Efficiency Improvement Project
Design and Construction of Operation Headquarter and Train Control Centre
Section 6 - Employer's Requirements



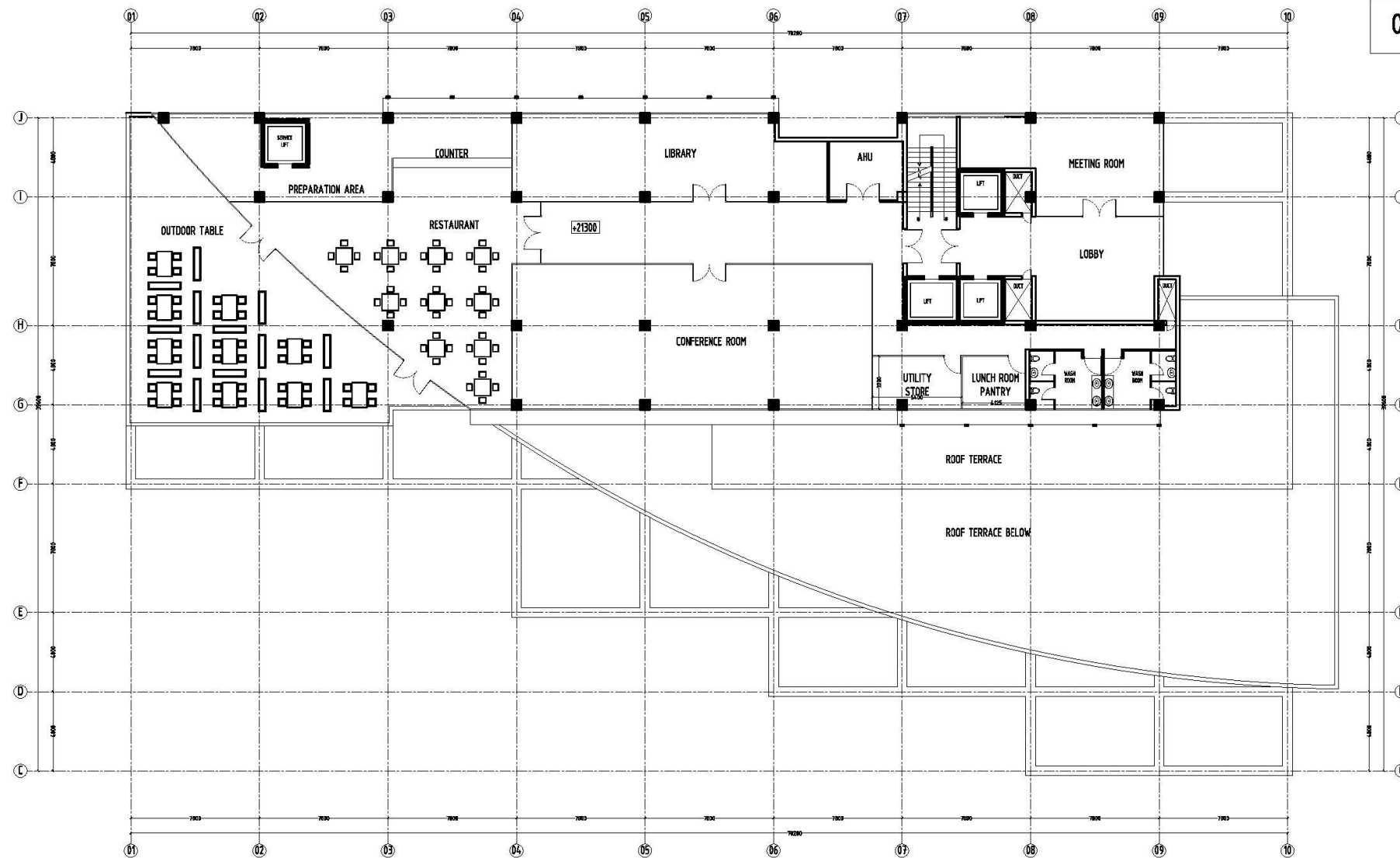
SECOND FLOOR PLAN (scale NS)
CONTROL CENTER
 1615 Sq.m



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

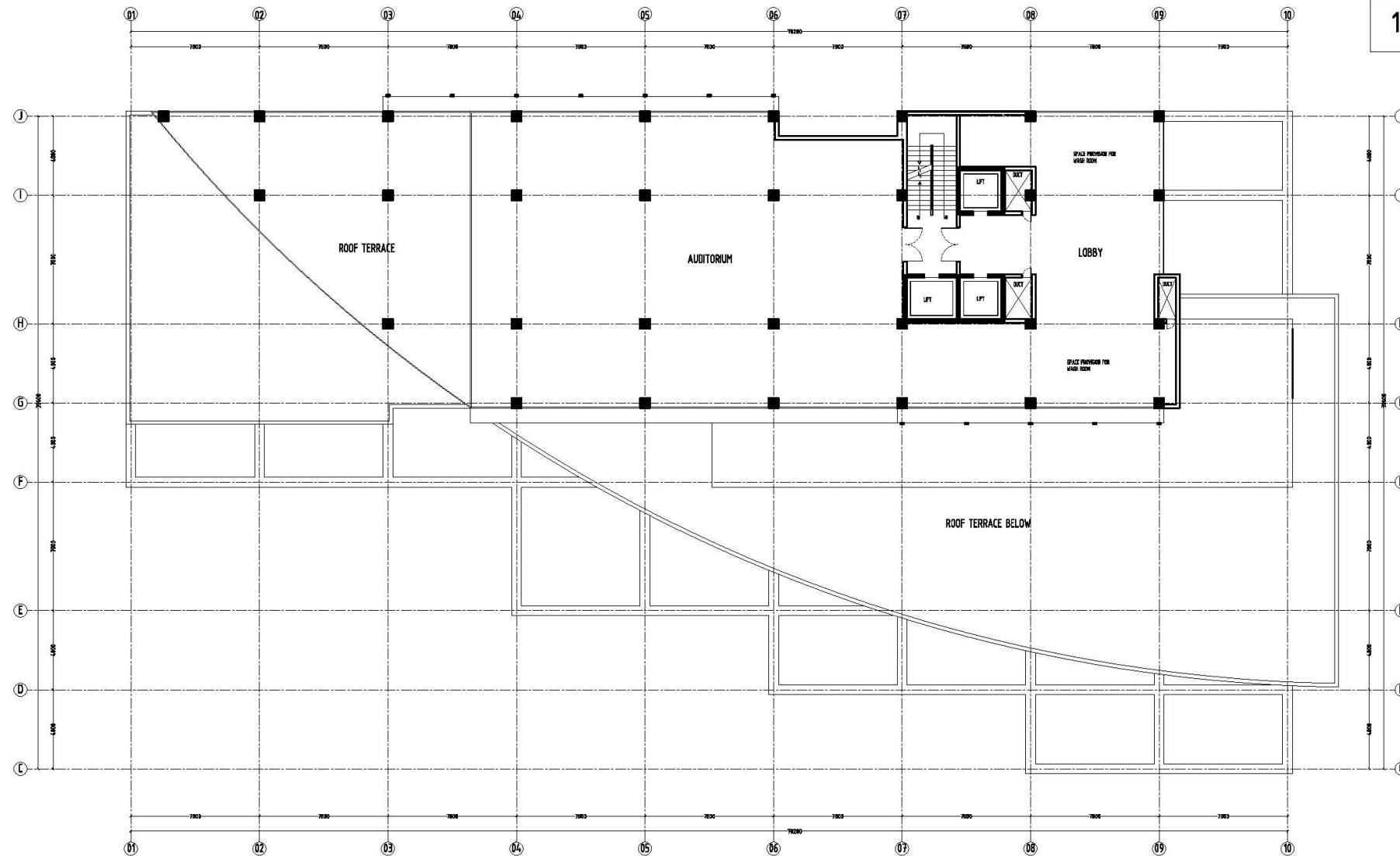


4TH FLOOR PLAN (scale NS)
RAILWAY CONTROLLERS REST AREA
 1350 Sq.m



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

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



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

