

LODHA

BUILDING A BETTER LIFE

Palava II, Lakefront

Security Brief









Contents

1. Security plan
2. Lakefront location
3. External vehicular circulation
4. Building typologies
5. Fencing plan
6. Fire tender movement
7. Access control
8. Vidor door phone
9. Lift and fire alarm
10. Panic booth
11. CCTV provision
12. WIFI

LODHA






Security Plan

Security plan categorized as follows:

A. City Level
B. Cluster Level
C. Building Level

A. **City Level**

a. Access controlled entry/exit through boom barriers with CCTV monitoring.
b. Controlled Sector 3 access from Taloja road.
c. Controlled Sector 4 access from Taloja road.
d. Controlled proposed access from Badlapur road.

B. **Cluster Level**

a. Clusters area is enclosed with controlled access through wicket gate.
b. Cluster common areas/greens are vehicle free zones.
c. Cluster Entry/Exit is for pedestrian only
d. Fire Tender – landscape hedged barrier is proposed.
e. Cluster Entry/Exits + Cluster Greens – monitored with CCTV surveillance.
f. Residents – access controlled entry/exit gate using smart card.
a. Maids, Drivers, Garbage, service staff etc. – Needs to register through resident's request/PCMA and will be provided with access enabled ID cards, which will allow access only through the Cluster Entry + internal cluster courtyard lobby entry door. ID verification to be done by Security at cluster entrance, prior to allowing entry.

LODHA






Security Plan

C. **Building level**

a. Residents – Entry through dialpad & biometric based access controlled doors activated using smart card & finger impression. Entry with smart card and biometric is from lateral road and entry from smart card is from cluster green.

b. Integration of dialpad with biometric and intercom at each flat in a building:
    a. to enable audio communication b/w any visitor & resident
    b. to remotely open the entrance lobby door for any visitor post audio verification from command centre.

c. Visitors – will have to use the dialpad to call up the resident he/she intends to visit and the resident will grant him access, post audio verification, by punching in a code or designated open button through the flat intercom, which will remotely open the entrance lobby door.

d. Access control door to have timed alarm which will be activated in the command centre if this door is kept open for more than 30 seconds.

e. Access control door release switch for both doors should be located inside the lobby near the respective entry/exits.

f. One CCTV camera to be installed in the main lift lobby at Ground Floor in such a way that the face of persons entering the building through either entrance is captured.

LODHA

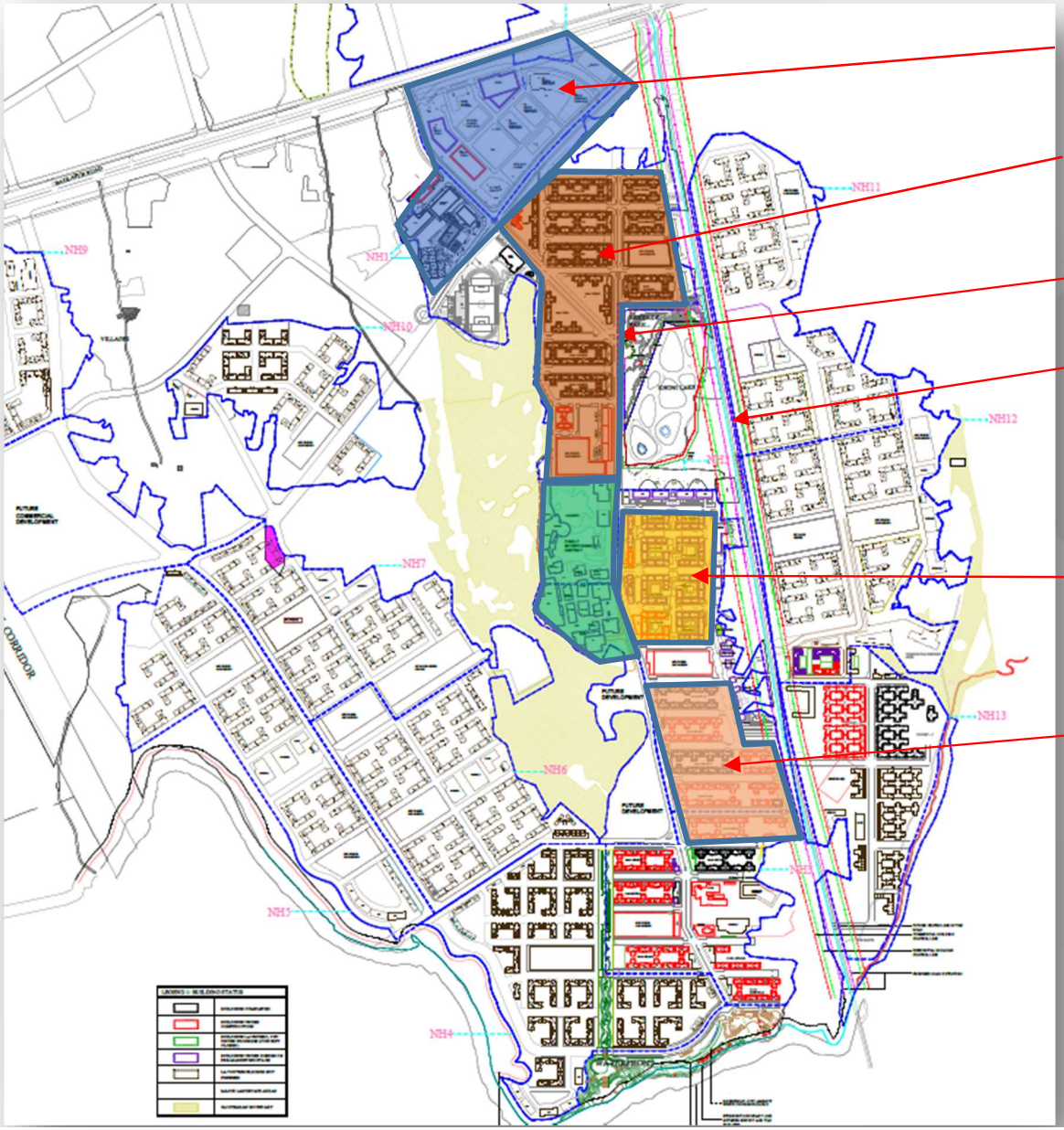








Location



LODHA

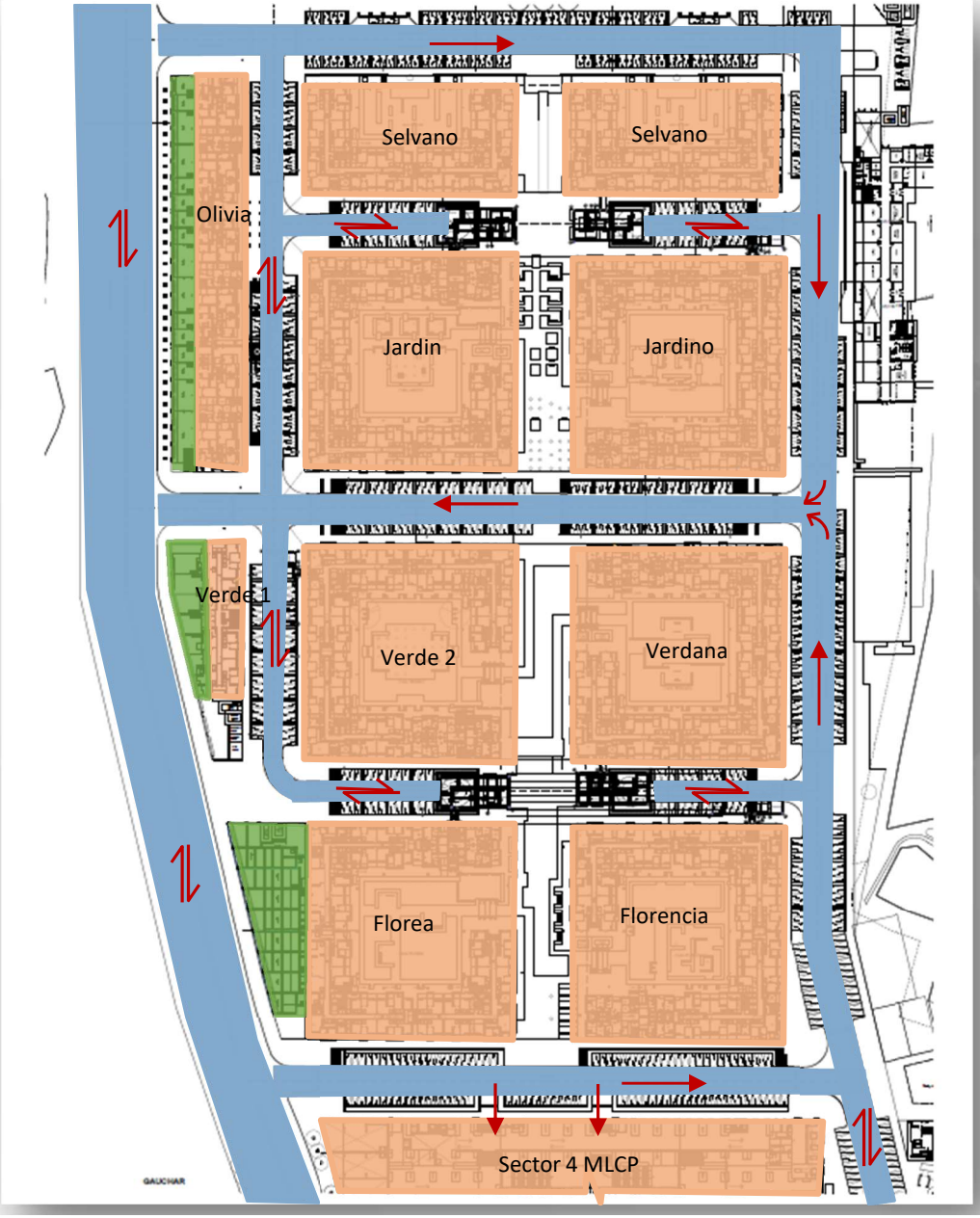








External Circulation



Road
Cluster
Retails
One way
Two way

LODHA









Building typology

SN	Building	Wing	Config	Units	Typology	Sub-Typology
1	Florea	A	G + 12	113	E1	E1T1
2	Florea	B	G + 12	51	C2	C2
3	Florea	C	G + 12	115	E3	E3T2
4	Florea	D	G + 12	113	E1	E1M
5	Florencia	A	G + 12	115	E3	E3T2
6	Florencia	B	G + 12	115	E1	E1T1
7	Florencia	C	G + 12	115	E1	E1T1
8	Florencia	D	G + 12	51	C2	C2
9	Verde	A	G + 12	98	E2	E2
10	Verde	B	G + 12	115	E3	E3T1
11	Verde	C	G + 12	115	E1	E1T2
12	Verde	D	G + 12	51	C2	C2
13	Verde	E	G + 12	115	E1	E1T1
14	Verdana	A	G + 12	51	C2	C2
15	Verdana	B	G + 12	115	E1	E1T1
16	Verdana	C	G + 12	115	E3	E3T2
17	Verdana	D	G + 12	115	E1	E1T2
18	Jardin	A	G + 12	115	E1	E1T1
19	Jardin	B	G + 12	51	C2	C2
20	Jardin	C	G + 12	115	E3	E3T2
21	Jardin	D	G + 12	115	E1	E1T1
22	Jardino	A	G + 12	115	E3	E3T2
23	Jardino	B	G + 12	115	E1	E1T1
24	Jardino	C	G + 12	115	E1	E1T1
25	Jardino	D	G + 12	51	C2	C2
26	Selvano	A	G + 12	115	E1	E1T3
27	Selvano	B	G + 12	115	E3	E3T1
28	Selvano	C	G + 12	115	E1	E1T3
29	Selvano	D	G + 12	115	E3	E3T2
30	Olivia	A	G + 12	49	B6	B6
31	Olivia	B	G + 12	49	B6	B6
32	Olivia	C	G + 12	49	B6	B6

LODHA

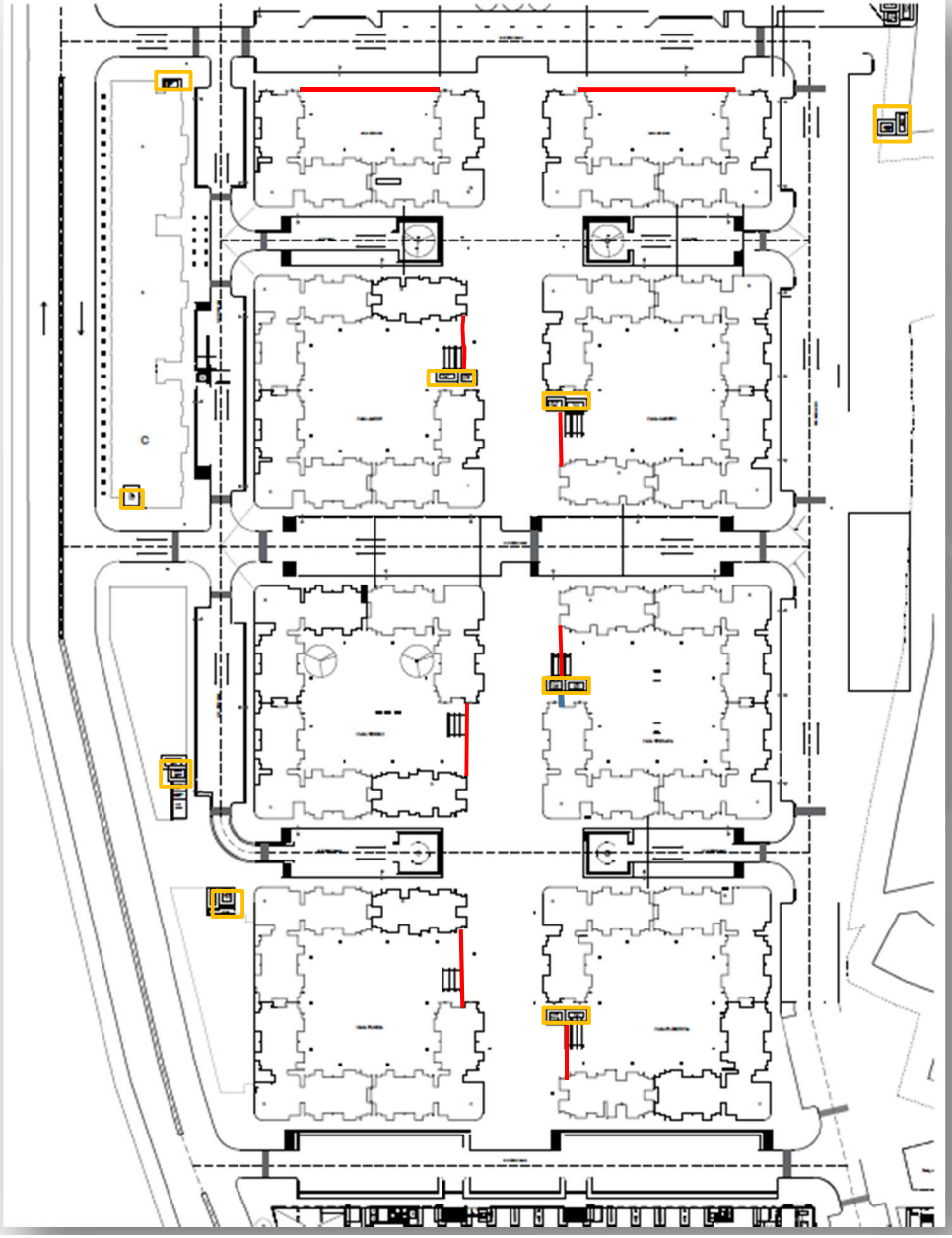
Fencing plan











A1 Cluster fencing

A1 Fencing to CSS and DG

LODHA

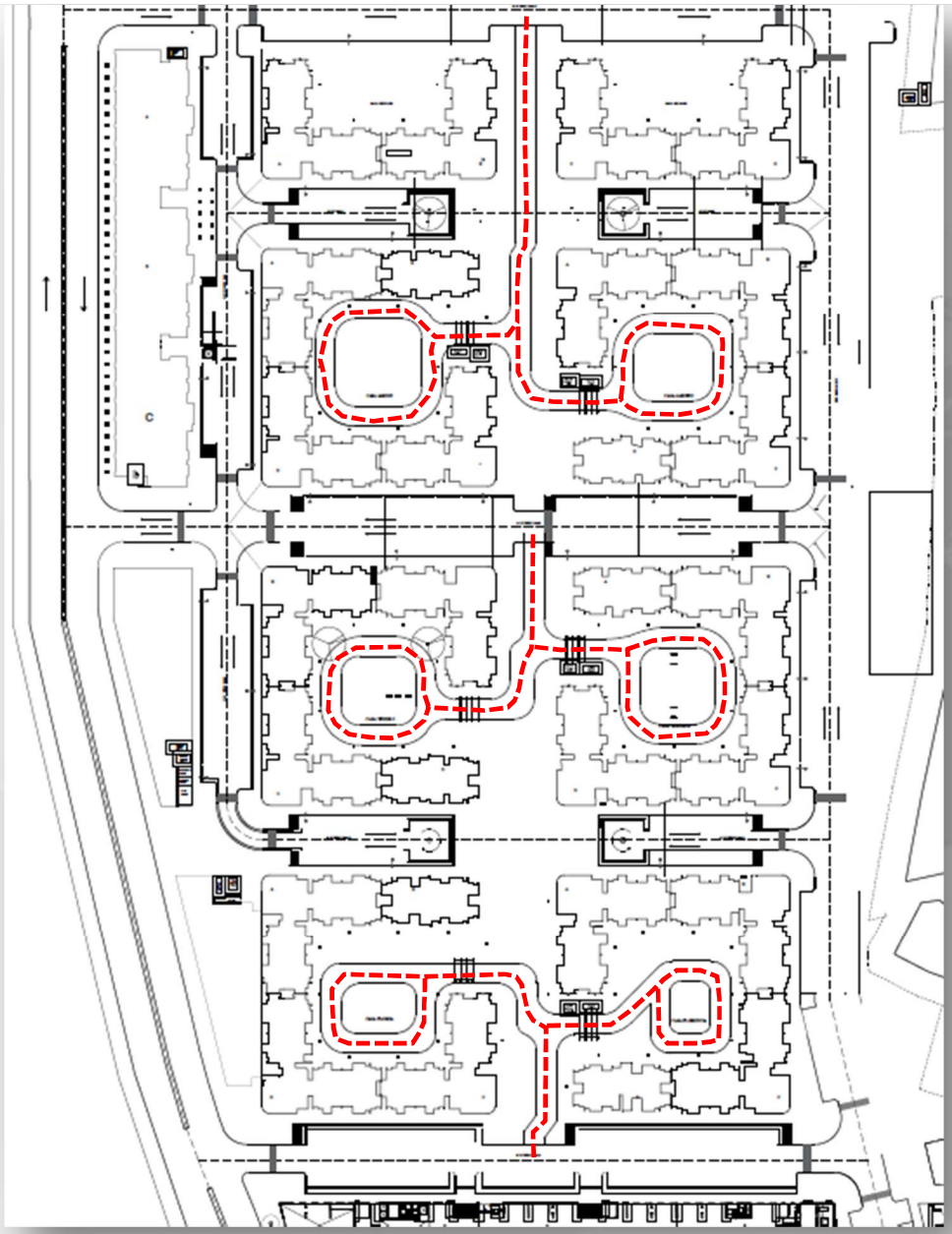








Fire tender movement



Fire tender movement

LODHA



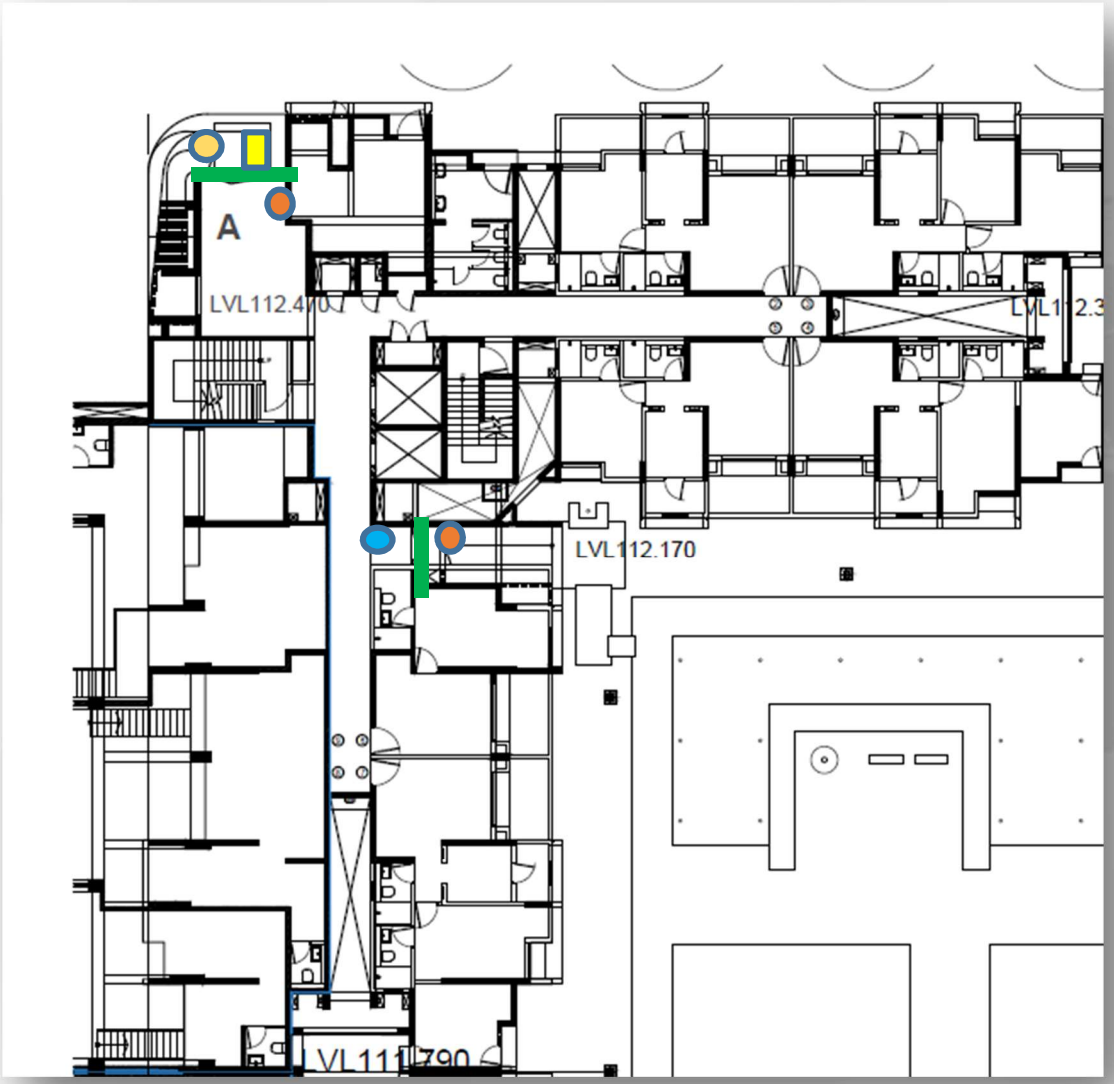






Access control

Provisions at Entry and Exit points; E1 Type;



- Glass door with electromagnetic lock
- Access card reader
- Integrated unit for Access control includes; Access card reader biometric.
- Boom barrier
- Long Rage RFID reader
- Push button
- Looping sensor,
- Night sliding gate
- Security Guard

LODHA

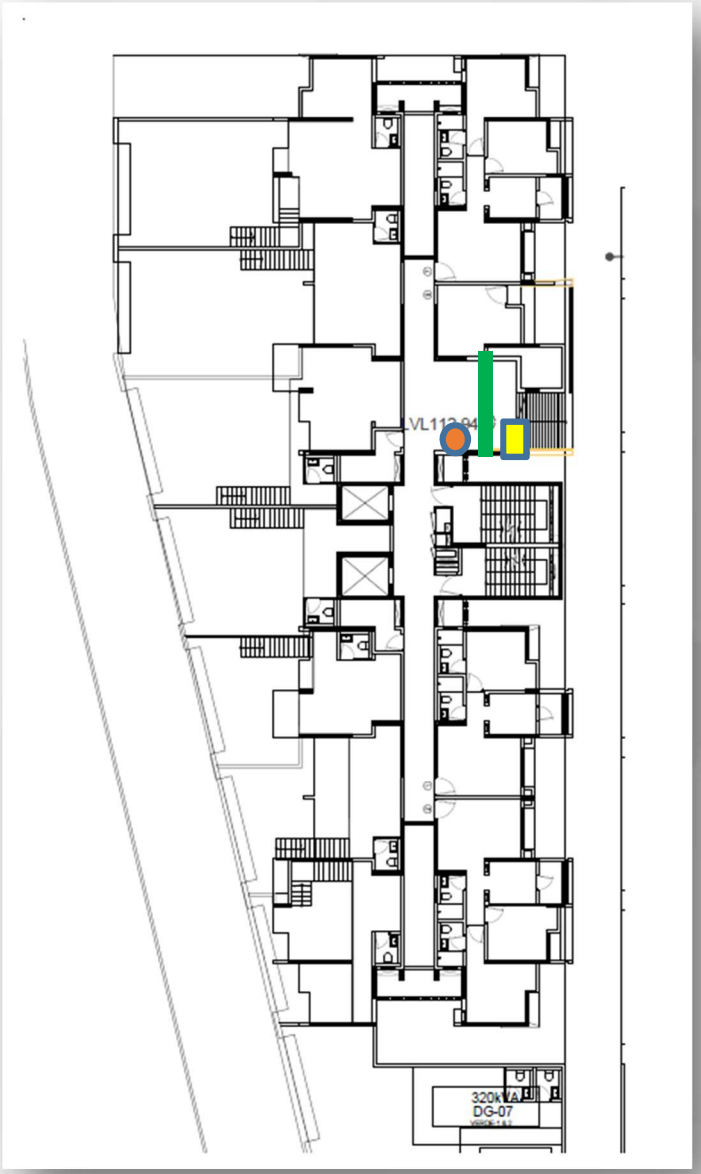








Provisions at Entry and Exit points; E2 Type;



- Glass door with electromagnetic lock
- Access card reader
- Integrated unit for Access control includes; Access card reader biometric.
- Boom barrier
- Long Rage RFID reader
- Push button
- Looping sensor,
- Night sliding gate
- Security Guard

LODHA

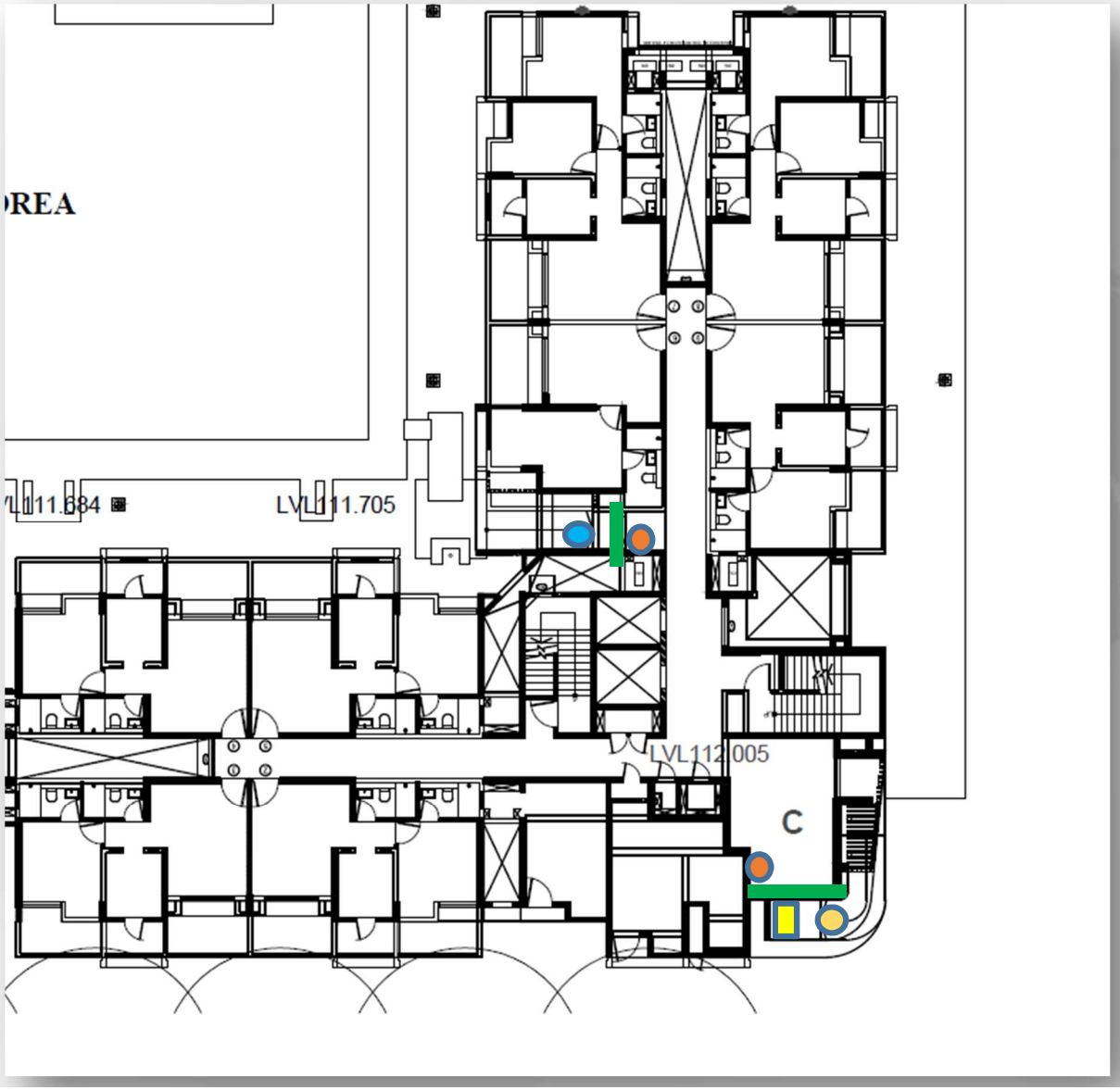








Provisions at Entry and Exit points; E3 Type;



- Glass door with electromagnetic lock
- Access card reader
- Integrated unit for Access control includes; Access card reader biometric.
- Boom barrier
- Long Rage RFID reader
- Push button
- Looping sensor,
- Night sliding gate
- Security Guard

LODHA

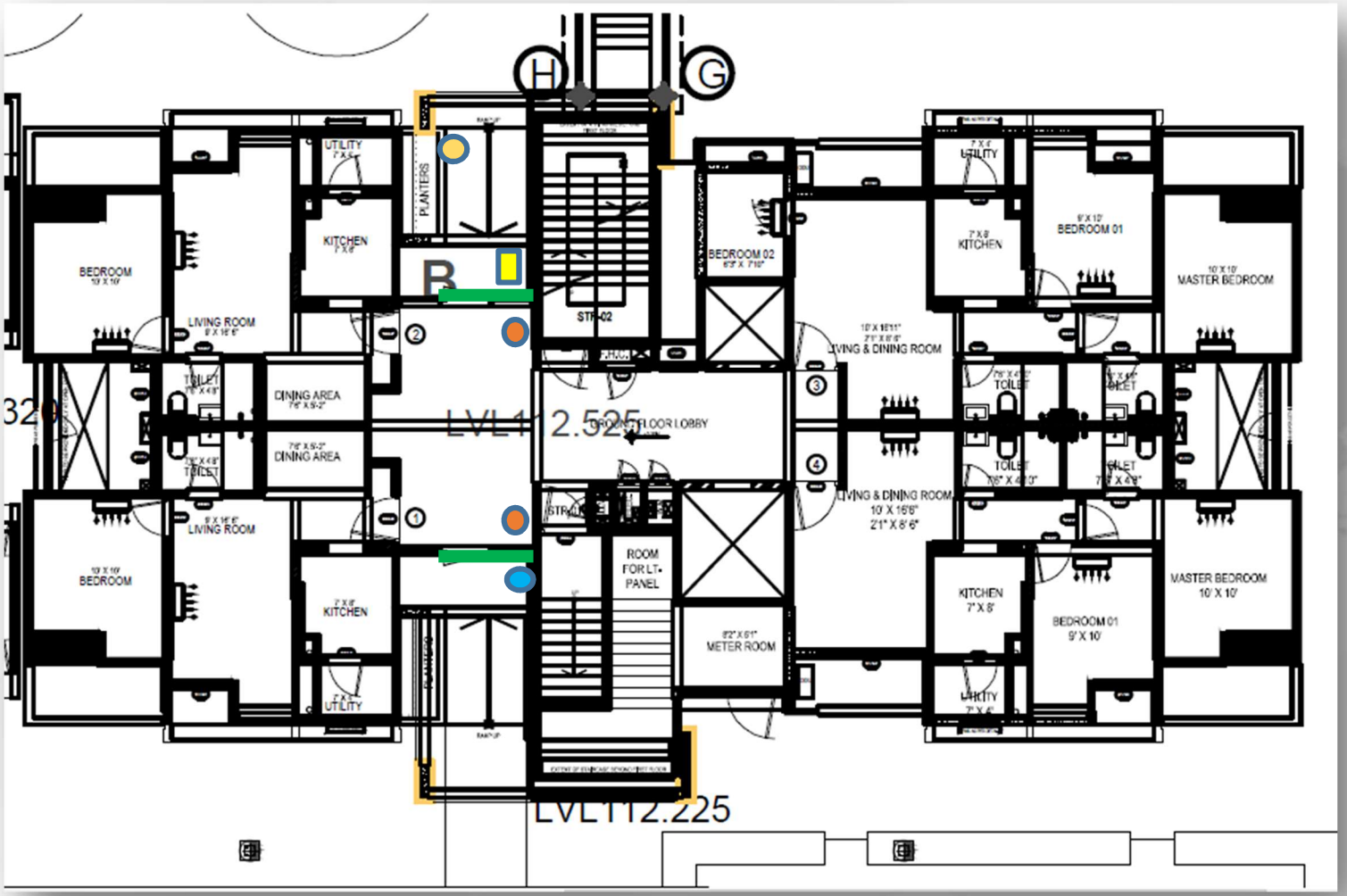








Provisions at Entry and Exit points; C2 Type;



- Glass door with electromagnetic lock
- Access card reader
- Integrated unit for Access control includes; Access card reader biometric.
- Boom barrier
- Long Rage RFID reader
- Push button
- Looping sensor,
- Night sliding gate
- Security Guard

LODHA

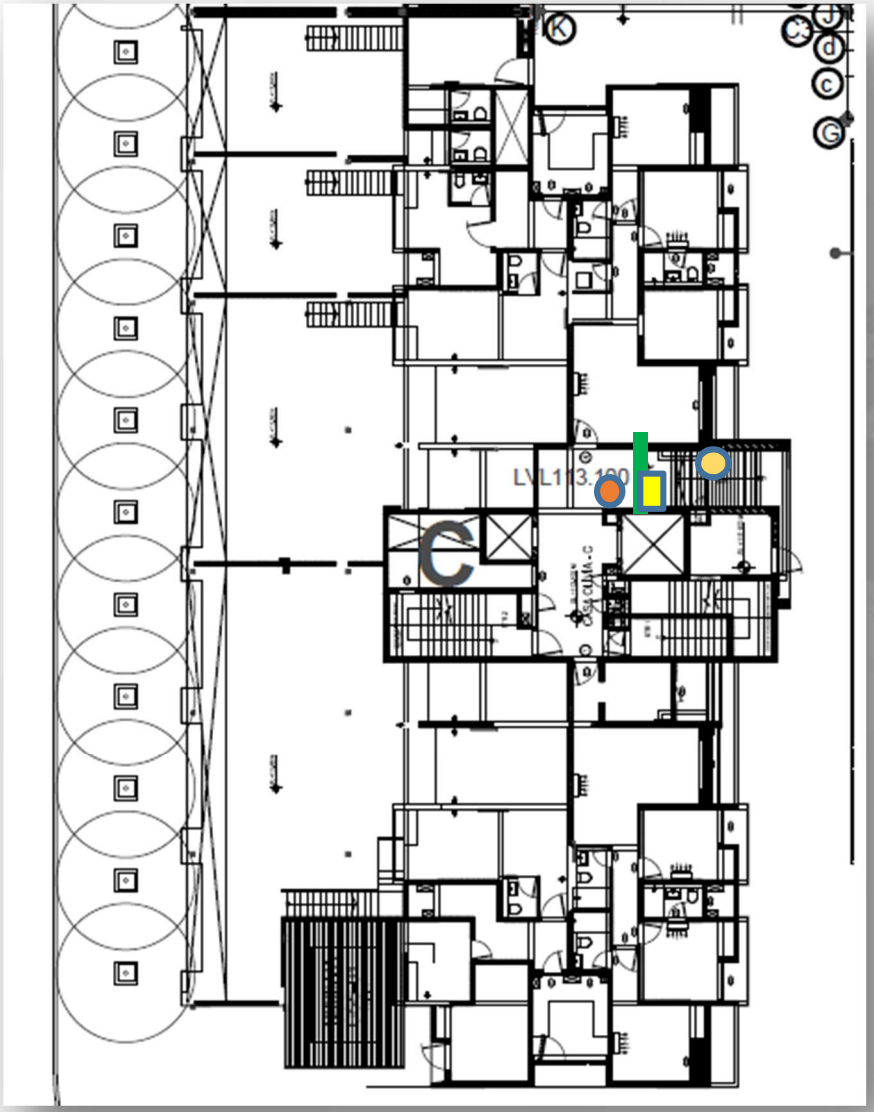








Provisions at Entry and Exit points; B6 Type;



- Glass door with electromagnetic lock
- Access card reader
- Integrated unit for Access control includes; Access card reader biometric.
- Boom barrier
- Long Rage RFID reader
- Push button
- Looping sensor,
- Night sliding gate
- Security Guard

LODHA

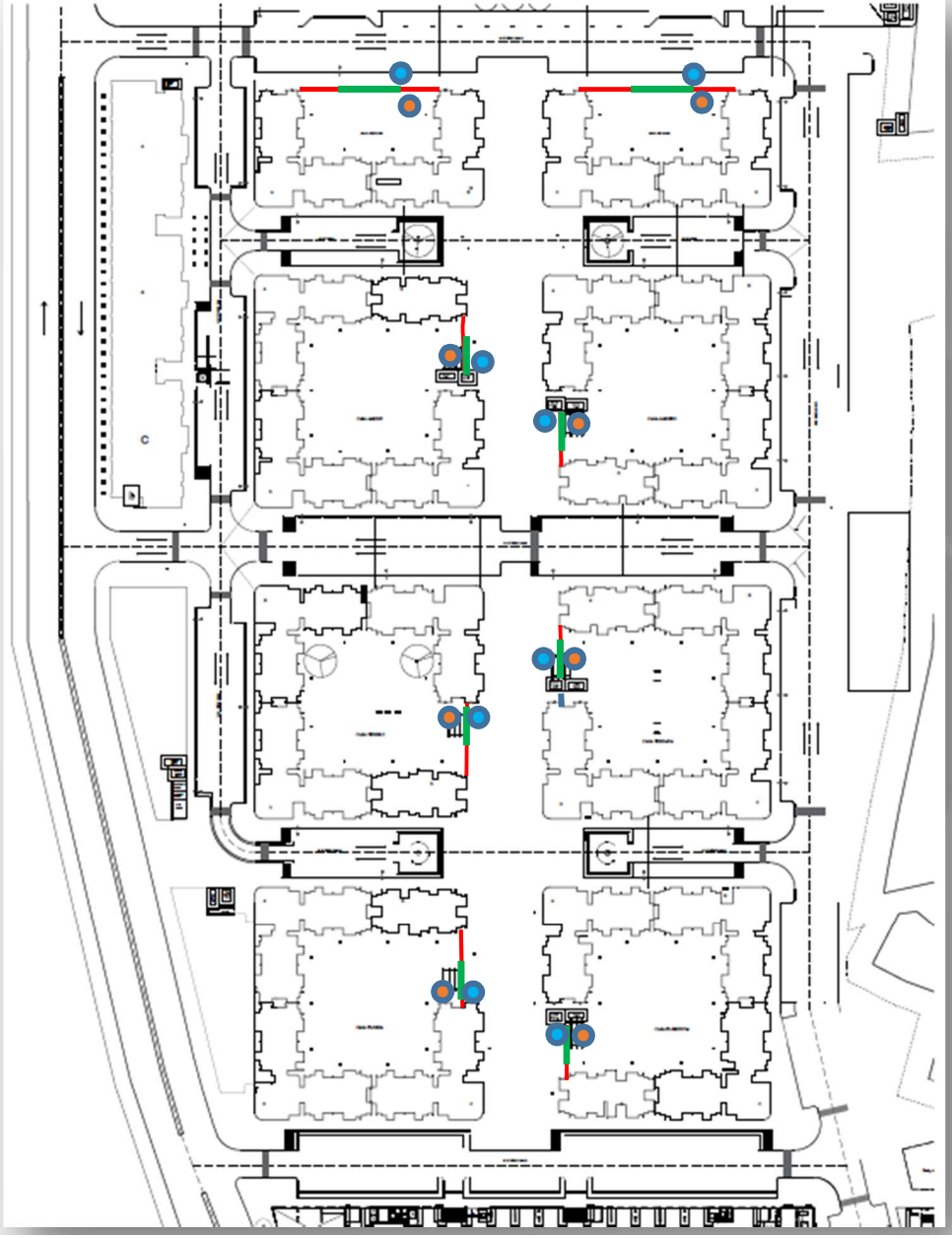








Provisions at cluster Entry and Exit points



Wicket gate
A1 fense
Access card reader
Push button

- No security cabin will be placed at cluster entry.
- Access card reader and push button shall be protected from rain.

LODHA









Video door phone

- VDP enables secure screening of visitors by residents at Main Door Entry to respective flats/units
- Integration of video door phone with intercom, lobby access control unit and command centre.

LODHA






Lift and Fire Alarm

Propagation of Lift and Fire alarms to Command Center

Note;

a. The fire alarm must be integrated with access controlled areas which are fire exit passages and in the event of a fire, the access control must be de-activated
b. LA/FA controller installation location in LV room to be specified by Design
c. LA/FA controller power supply needs to be through SMPS and not adapter to reduce power-related outages
d. LA/FA controller points need to be clearly labeled for ease of connections
e. Lift vendor should provide relay to provide potential-free output on Lift Buzzer activation. Relay should be housed in machine room or on top of Lift car.
f. Lift vendor should provide 2 pair cabling from relay output to LV room (via travelling cable)
g. Fire Panel vendor should provide relay to provide potential-free output on Fire Alarm activation.

LODHA






Panic Booth

A. Presence of Panic booth will a means for affected residents/bystanders to quickly contact 911 emergency services.
B. Alarms should be installed at roads and common areas, not more than 200m apart.
C. Panic Booth shall have Camera, push button and connectivity to command centre.
D. System has to be robust to avoid damage through vandalism and weather
E. Voice quality should be good even in ambient noise conditions
F. Each street panic alarm should be within the surveillance area of a nearby CCTV for prevention of false alarms

LODHA

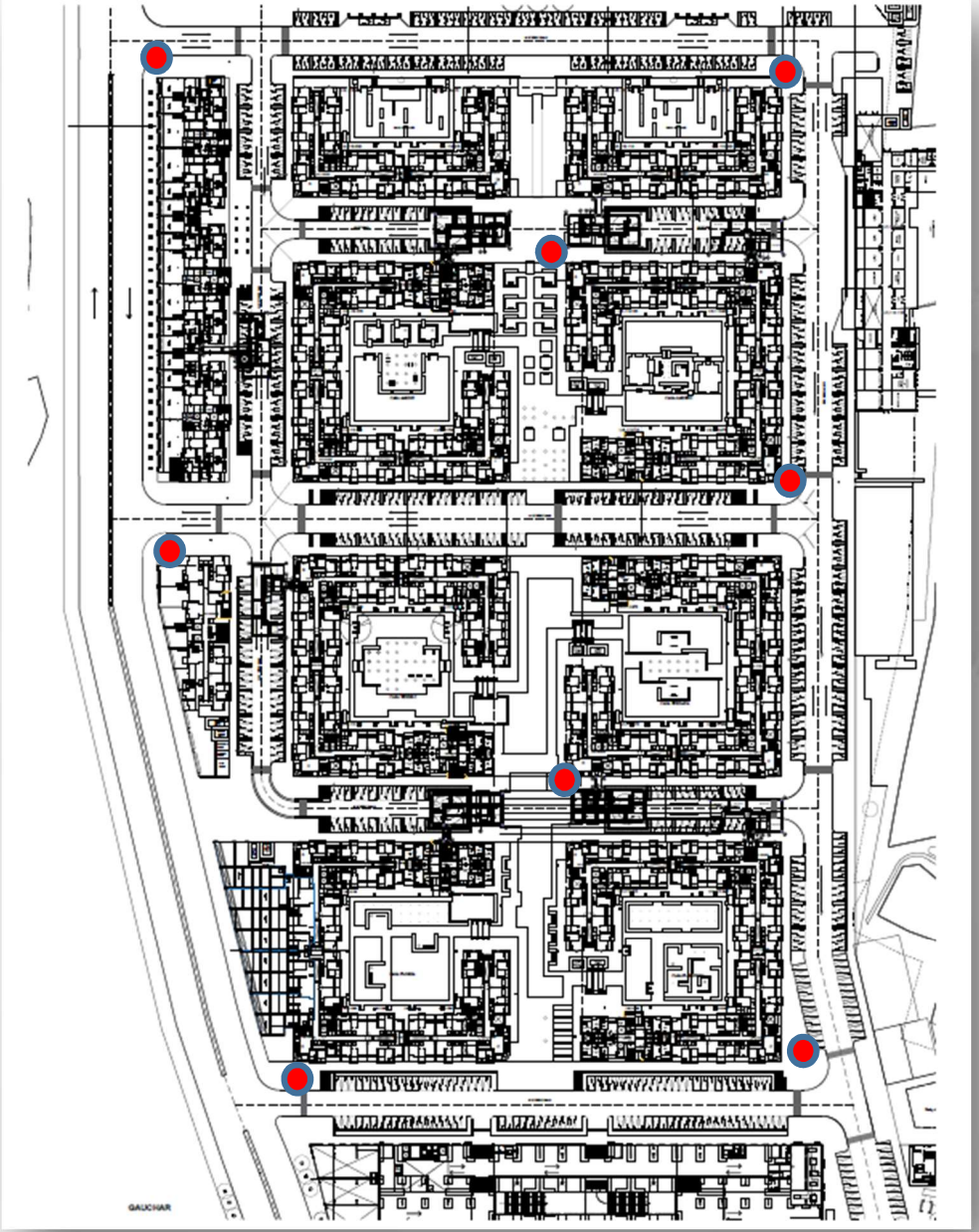








Location of Panic booth



Panic Booth

LODHA






CCTV Provision at Infra

Scope:

Video surveillance of Building Entrance lobbies, Lifts, common areas (Cluster Greens, Children's Play Area, Cluster Entry), Roads, MLCP, Key Service Areas etc.

Note;

a. Camera mounting specification to be included in tender – especially for outdoor
b. Infra (conduiting, power) for indoor and outdoor cameras to be included in scope of electrical contractor.
c. Lift CCTV – to be provided in all lifts.
d. IP Cameras to be used, not analog – For ease of rollout and future analytics integration
e. IR Cameras to be preferred to achieve effective day/night surveillance without dependency on lighting
f. POE cameras to be used to reduce power point requirement at camera location and provide single source of UPS power. Also reduce dependency on 24x7 power
g. 7 days data recording to be kept.

LODHA

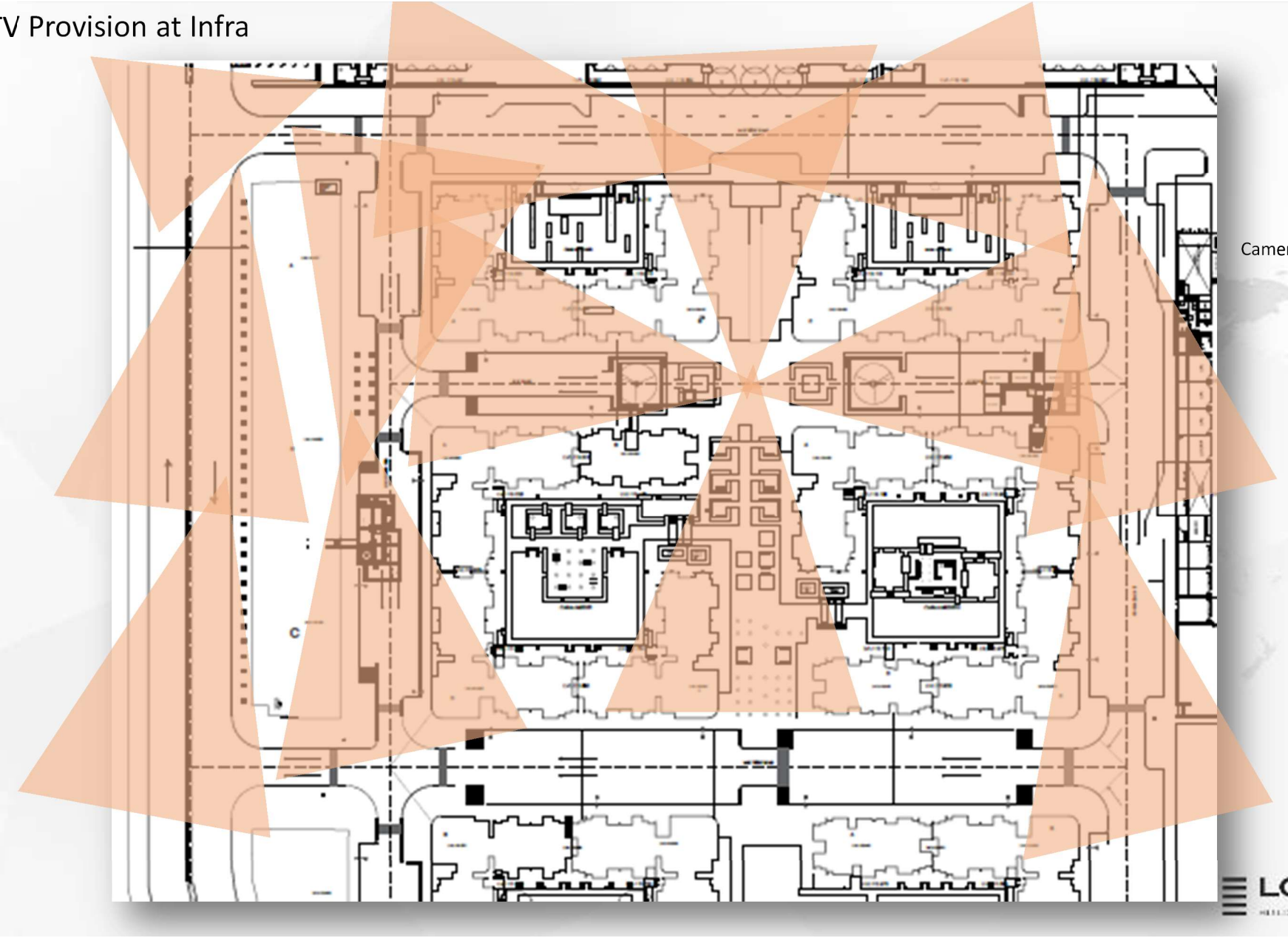








CCTV Provision at Infra



Camera range 100m

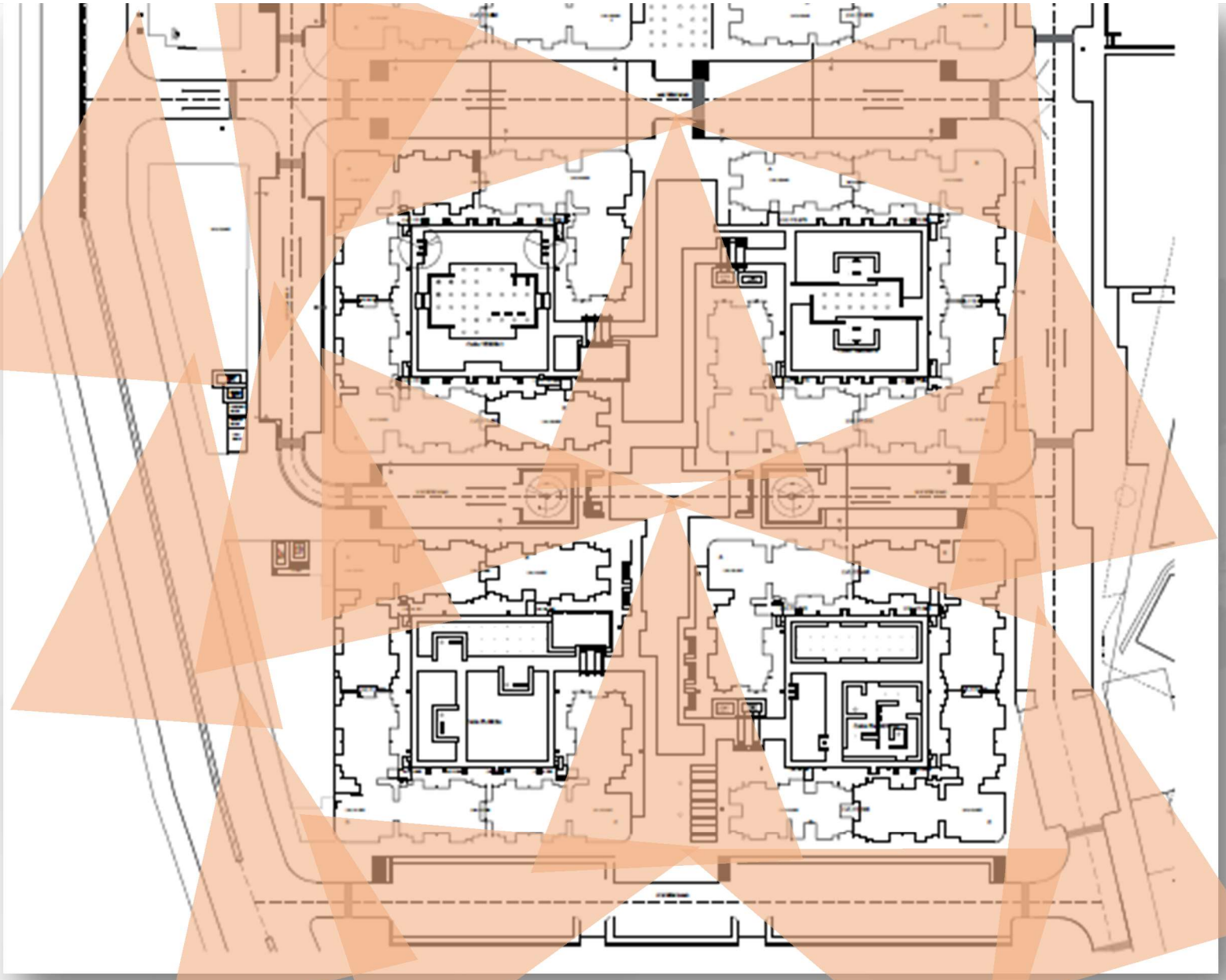
LODHA











CCTV Provision at Infra

LODHA







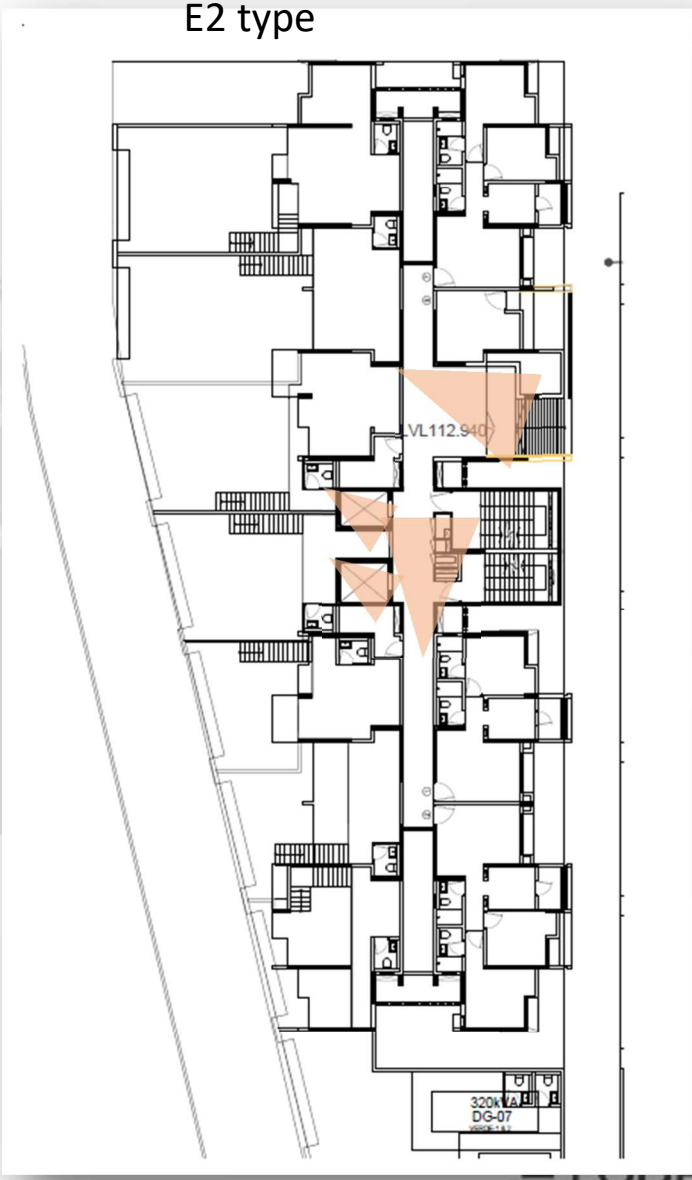


CCTV Provision in Building

E1 type



E2 type





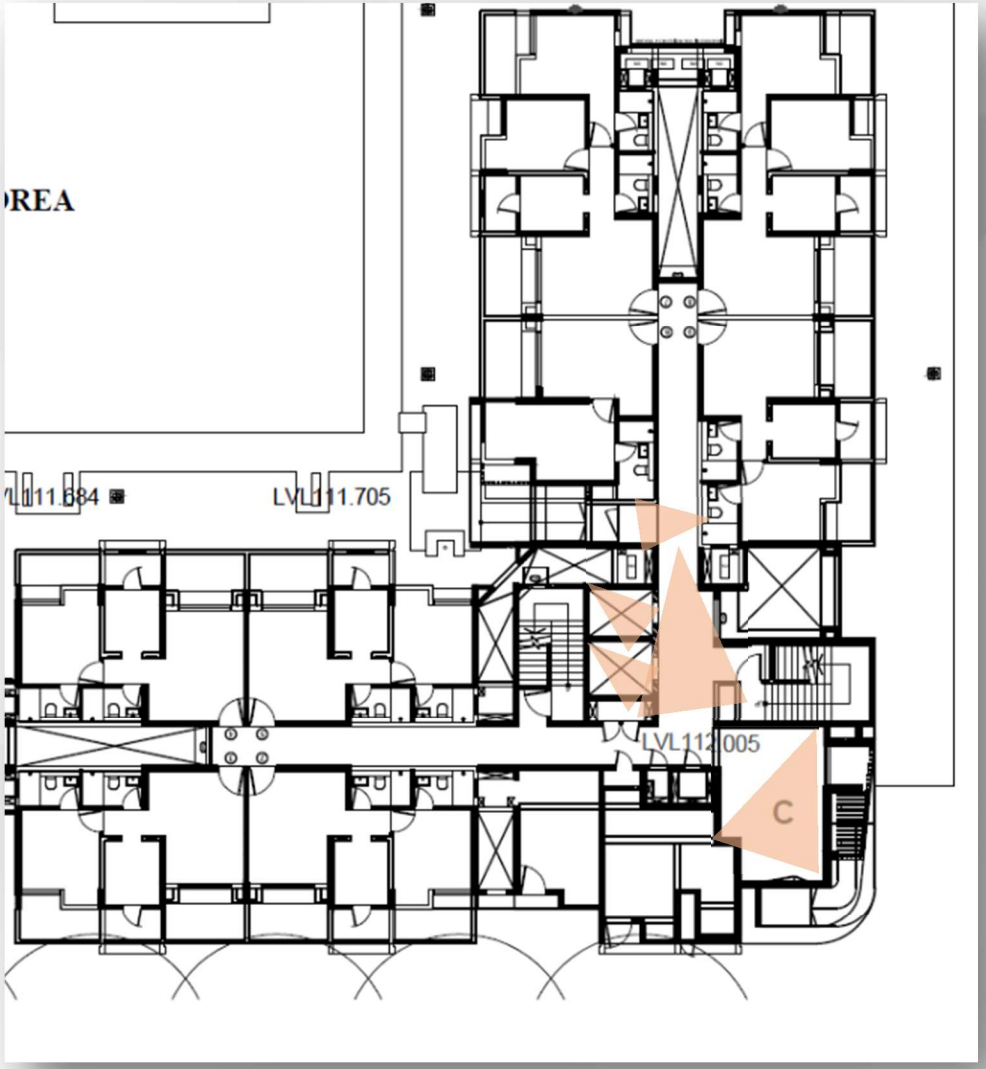




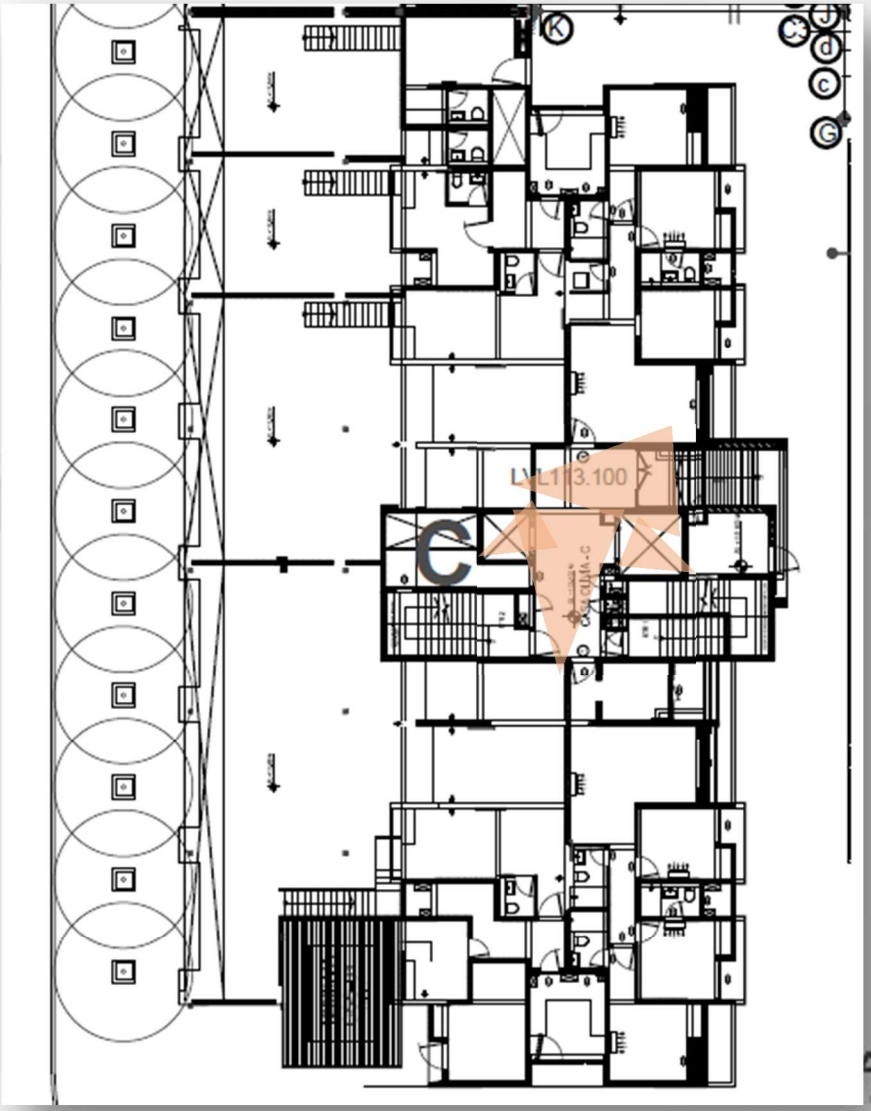


CCTV Provision in Building

E3 type



B6 type





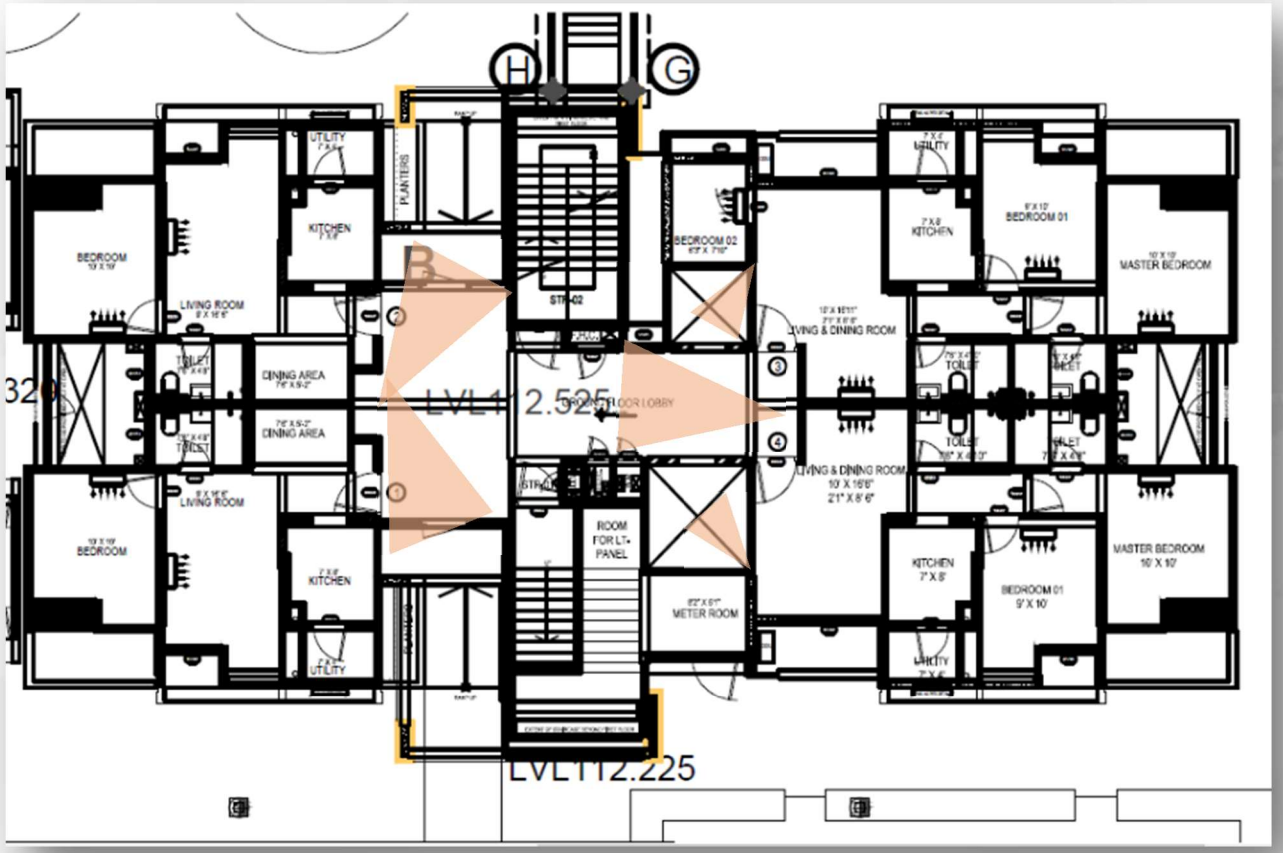






CCTV Provision in Building

C2 type



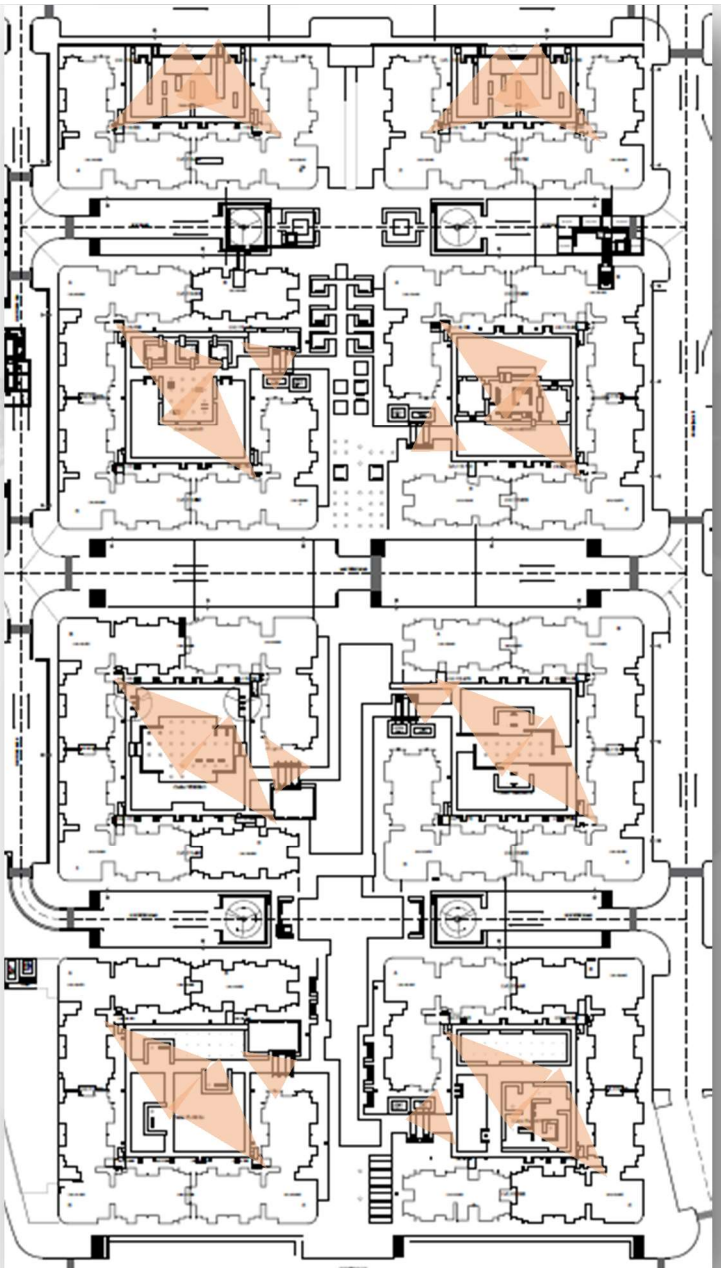








CCTV Provision in Courtyard



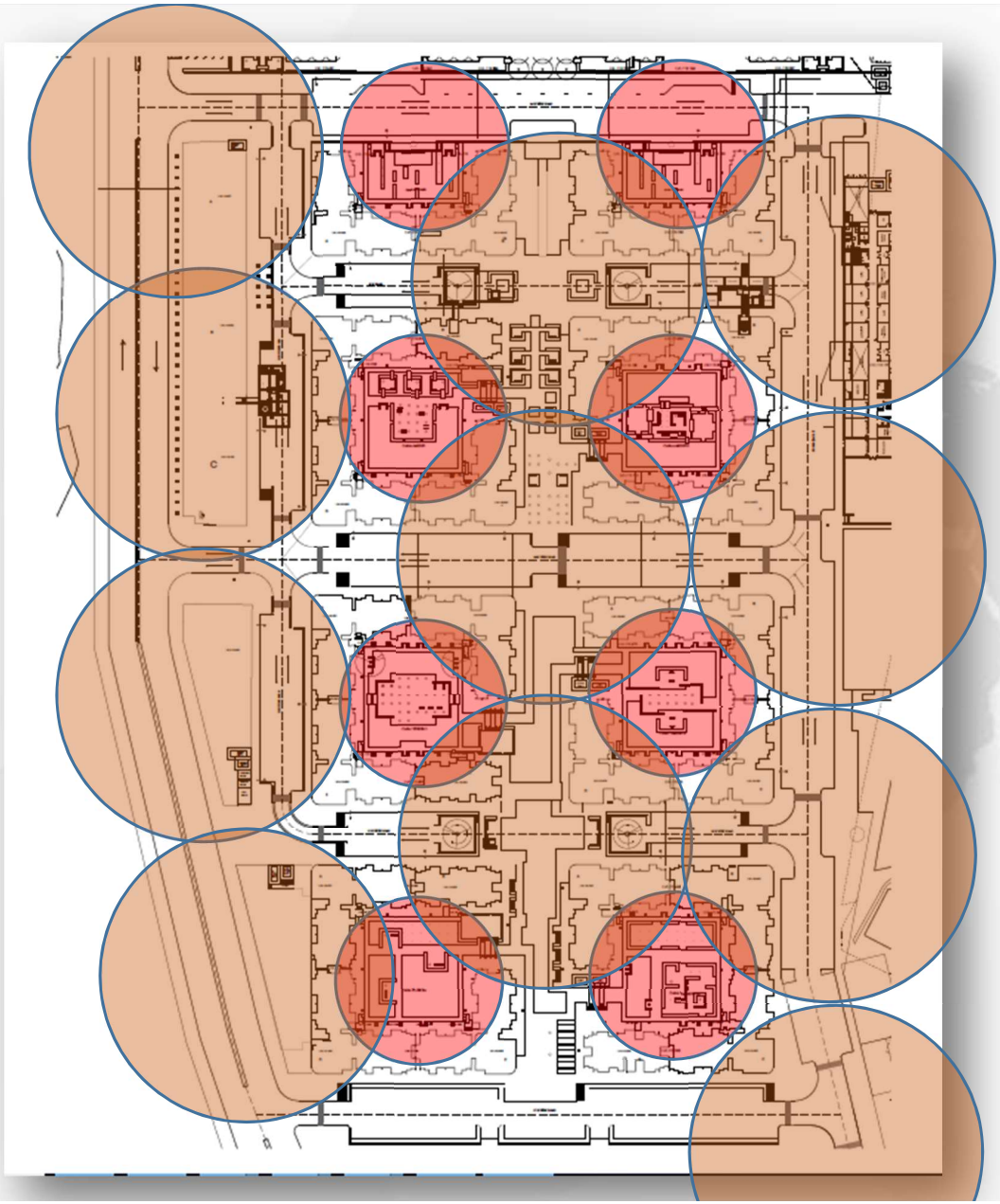








Provision of WIFI

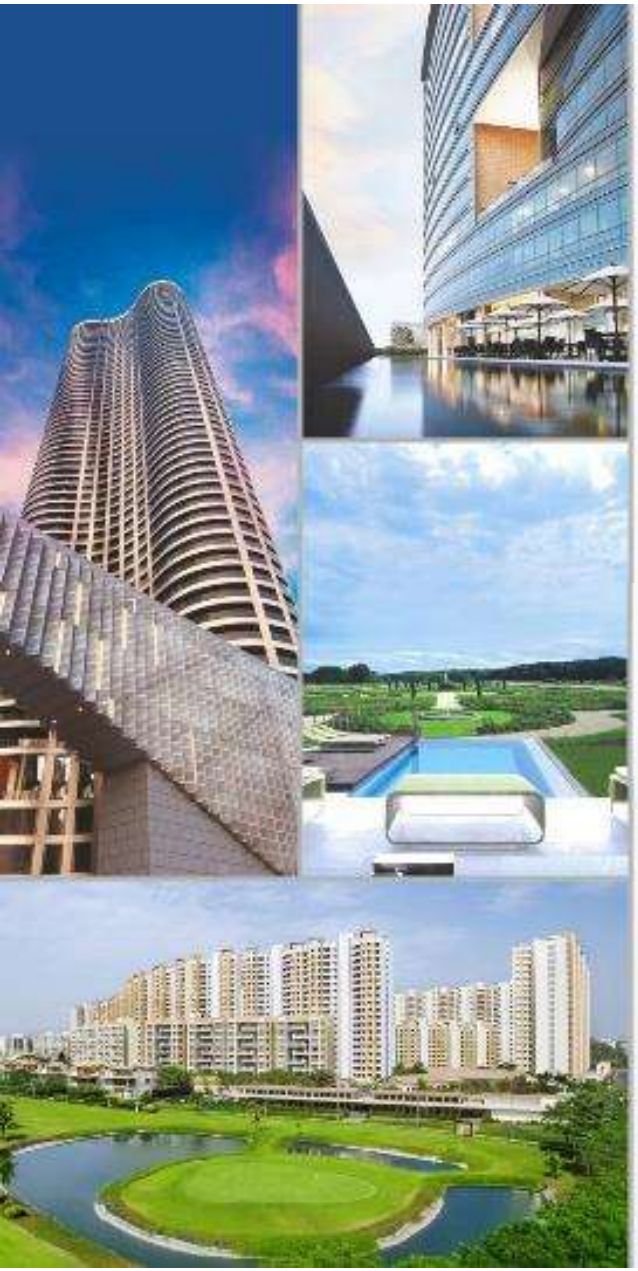


50m Range AP

100m Range AP

AP at slip road shall be placed on Retails
100% coverage to Spine road
100% coverage to slip road due to KCA belt
All court yards are covered
Central play avenue is covered

LODHA



Thank you

LODHA