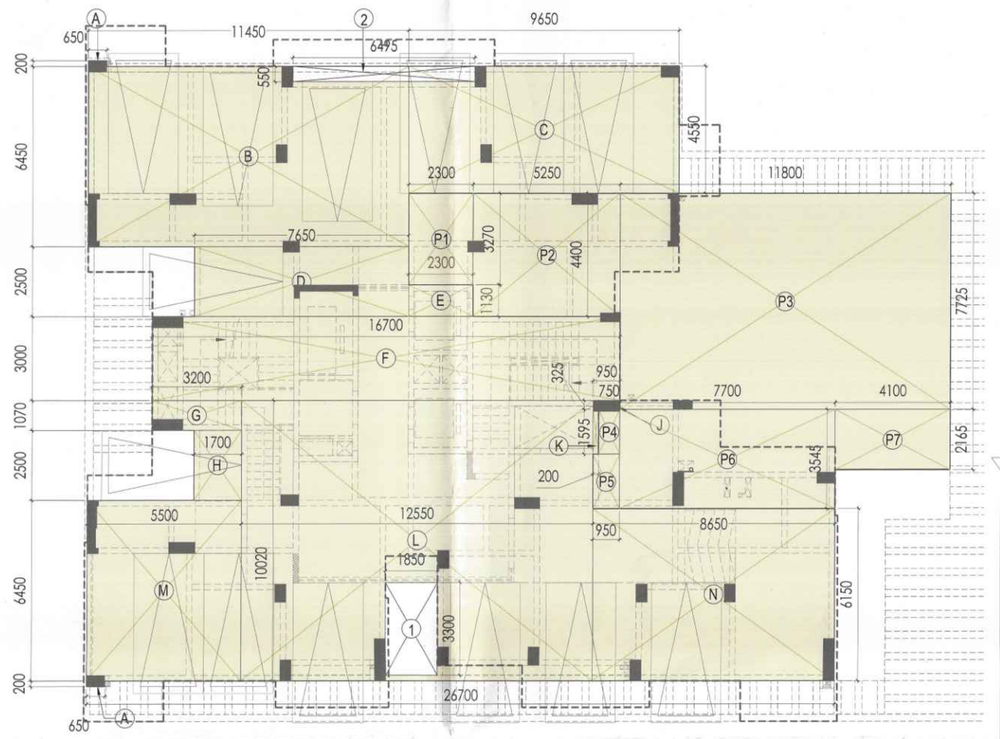
GROUND COVERAGE - TOWER 2 (GROUND FLOOR)				
NO.	LENGTH (A) (meters)	BREADTH (B) (meters)	Nos.	AREA (Sq M)
ADDITIONS				
A	0.65	0.2	2	0.260
B	11.450	6.450	1	73.853
C	9.650	4.550	1	43.908
D	7.65	2.5	1	19.125
E	2.3	1.13	1	2.599
F	16.7	3	1	50.100
G	3.2	1.07	1	3.424
H	1.7	2.5	1	4.250
J	0.95	0.325	1	0.309
K	0.2	1.595	1	0.319
L	12.55	10.02	1	125.751
M	5.5	6.45	1	35.475
N	8.65	6.15	1	53.198
TOTAL ADDITIONS				412.569
SUBTRACTION				
1	1.85	3.3	1	6.105
2	6.495	0.55	1	3.572
TOTAL SUBTRACTION				9.677
TOTAL GROUND COVERAGE - TOWER 2				402.892

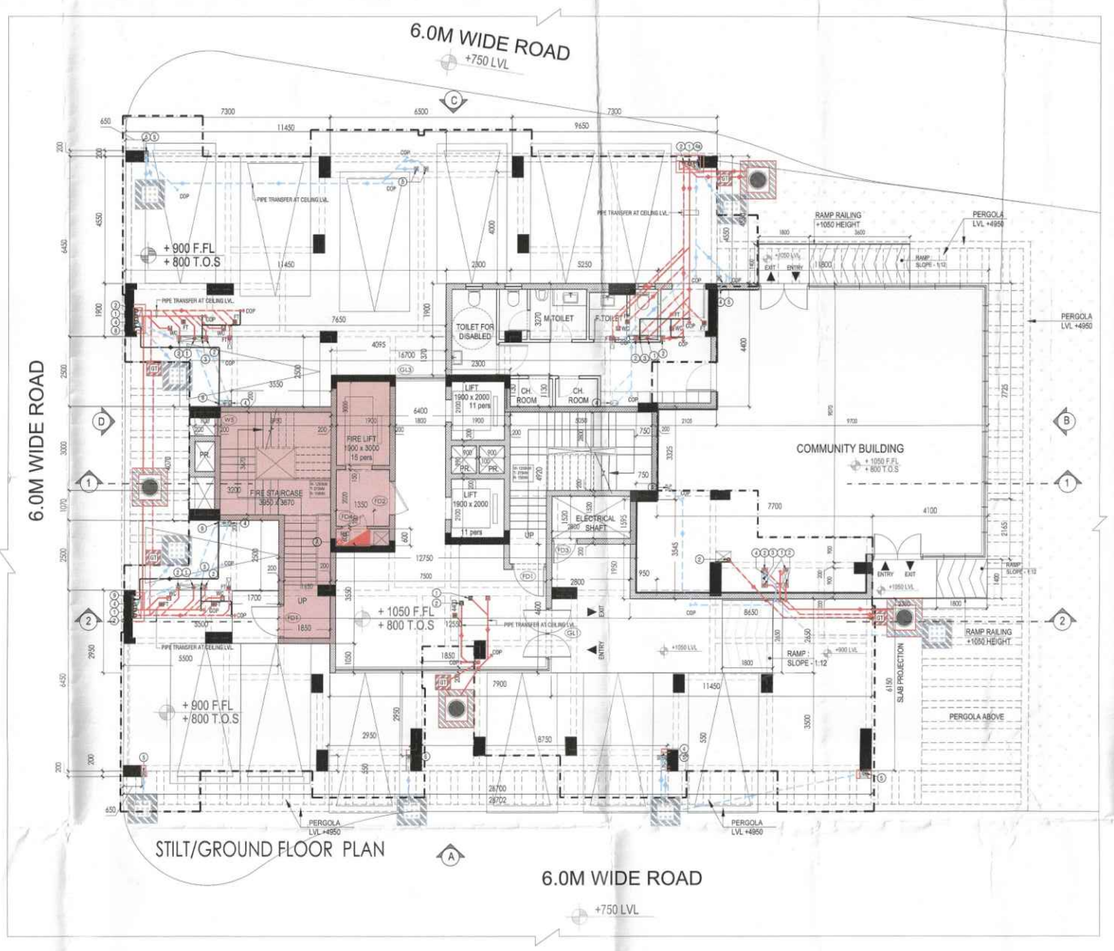
FAR AREA- TOWER 2 (GROUND FLOOR)				
NO.	LENGTH (A) (meters)	BREADTH (B) (meters)	Nos.	AREA (Sq M)
ADDITIONS				
A	6.400	1.130	1	7.232
B	0.750	3.325	1	2.494
C	12.75	4.92	1	62.730
D	7.9	4.6	1	36.340
E	1.85	3.55	1	6.568
F	3.2	4.07	1	13.024
TOTAL				128.387
TOTAL FAR AREA - TOWER 2 (GROUND FLOOR)				128.387

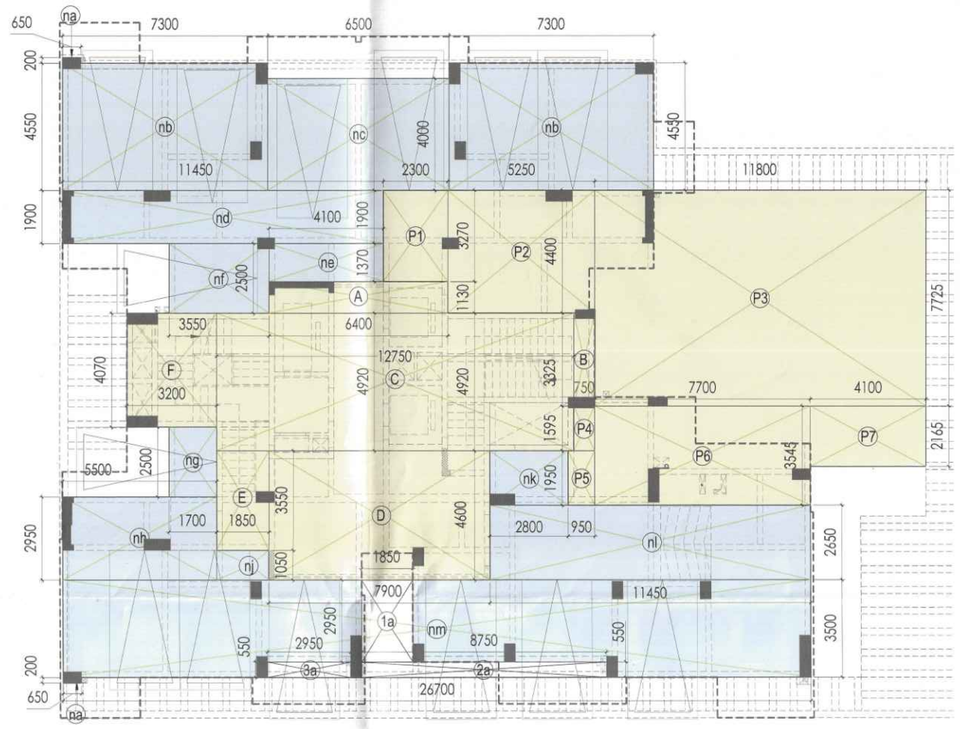
COMMUNITY BUILDING FAR AREA & GROUND COVERAGE- TOWER 2 (GROUND FLOOR)				
NO.	LENGTH (A) (meters)	BREADTH (B) (meters)	Nos.	AREA (Sq M)
ADDITIONS				
P1	2.300	3.270	1	7.521
P2	5.250	4.400	1	23.100
P3	11.8	7.725	1	91.155
P4	0.75	1.595	1	1.196
P5	0.95	1.95	1	1.853
P6	7.7	3.545	1	27.297
P7	4.1	2.165	1	8.877
TOTAL				160.998
GROUND COVERAGE - COMMUNITY BUILDING				160.998

FAR - TOWER 2 (FLOOR 1st to 11th)				
NO.	LENGTH (meters)	BREADTH (meters)	Nos.	AREA (Sq M)
ADDITIONS				
A	21.100	6.450	1	136.095
B	13.500	2.500	1	33.750
C	16.700	3.000	1	50.100
D	1.500	1.070	1	1.605
E	17.300	3.570	1	61.761
F	5.600	1.000	1	5.600
G	26.700	6.450	1	172.215
H	0.700	0.125	1	0.088
J	0.500	0.325	1	0.163
K	0.650	0.200	2	0.260
TOTAL ADDITIONS				461.636
SUBTRACTION				
1	6.500	0.550	1	3.575
2	1.900	2.100	2	7.980
3	1.900	3.000	1	5.700
n4	5.050	2.800	1	14.140
5	0.900	0.990	2	1.782
n6	3.950	3.670	1	14.497
7	1.350	0.600	1	0.810
8	0.550	0.500	1	0.275
n9	2.600	1.520	1	3.952
10	0.700	0.745	1	0.522
11	0.700	1.070	1	0.749
12	0.700	1.250	1	0.875
13	0.950	0.700	1	0.665
14	0.800	0.300	1	0.240
15	0.800	1.800	1	1.440
16	1.850	3.900	1	7.215
17	8.750	0.550	1	4.813
n18	2.950	0.550	1	1.623
TOTAL SUBTRACTIONS				70.851
TOTAL FAR FOR TYPICAL FLOORS (FLOOR 1st to 11th)				390.785

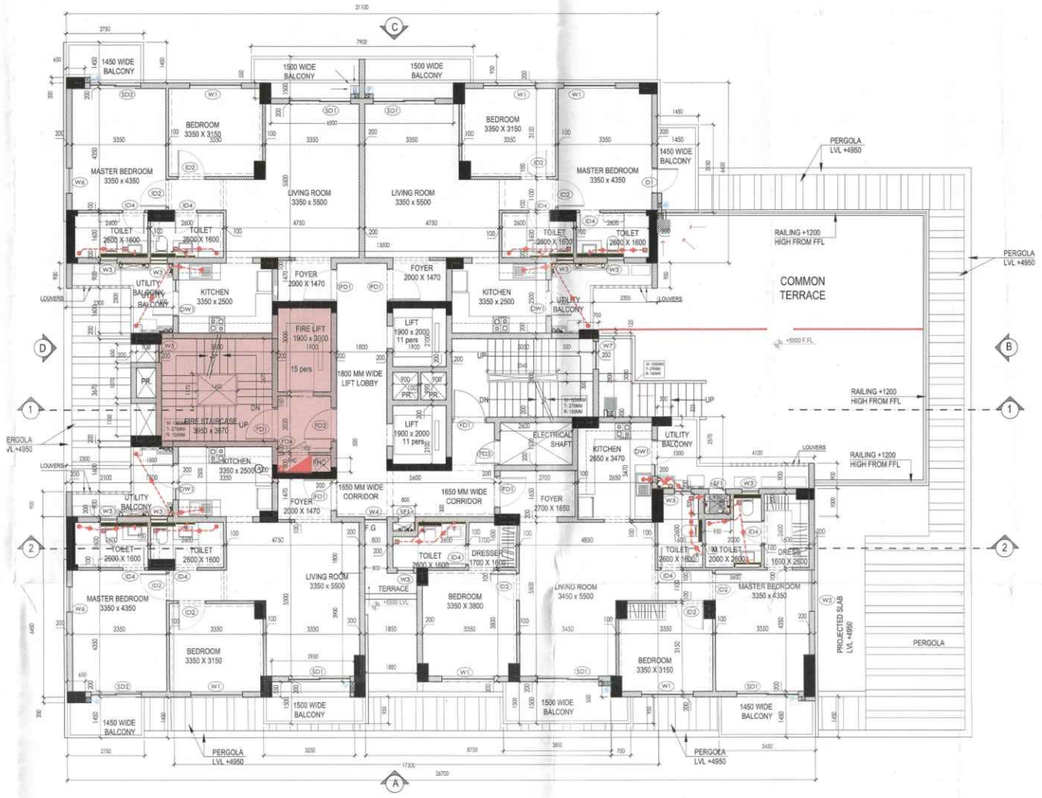


AREA DIAGRAM FOR GROUND COVERAGE
TOWER - T2
SCALE 1:100





AREA DIAGRAM FOR FAR and NON FAR GROUND FLOOR
TOWER - T2
SCALE 1:100



PLUMBING IMPORTANT NOTES:

1. ALL HORIZONTAL SOIL AND WASTE PIPES SHALL BE LAID TO A SLOPE NOT FLATTER THAN 1:70 AND NOT STEEPER THAN 1:10 UNLESS SPECIFIED OTHERWISE.
2. WATER INLETS AND WASTE OUTLETS FROM SANITARY WARE SHALL BE ARRANGED TO SUIT REQUIREMENTS OF SELECTED MAKES AND MODELS.
3. NO PIPE WORK SHALL BE CONCEALED IN WALLS OR BURIED IN FLOORS WITHOUT BEING SUBJECTED TO WATER TESTING AS PER THE DIRECTION OF THE SITE ENGINEER.

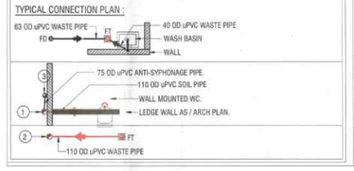
PLUMBING NOTES:

1. WASH BASIN TO FLOOR TRAP (FT): 40 OD uPVC PIPE.
2. KITCHEN SINK TO FLOOR TRAP (FT): uPVC FLEXIBLE PIPE.
3. FLOOR DRAIN (FD) TO FLOOR TRAP (FT): 110 OD uPVC WASTE PIPE.
4. 110 OD uPVC PIPE USED FOR SOIL & WASTE.
5. 110 OD uPVC PIPE USED FOR TERRACE RAIN WATER
6. 90 OD uPVC PIPE USED FOR BALCONY.

SCHEDULE OF LEGEND :

SYMBOL	DESCRIPTION
1	110 OD uPVC SOIL & VENT PIPE
2	110 OD uPVC WASTE & VENT PIPE
2a	90 OD uPVC WASTE & VENT PIPE FOR UTILITY BALCONY
3	75 OD uPVC ANTI-SYPHONAGE PIPE
4	110 OD uPVC TERRACE RAIN WATER PIPE
5	90 OD uPVC BALCONY / CORRIDOR RAIN WATER PIPE
6	DOMESTIC WATER SUPPLY D/N TAKE PIPE *
7	FLUSHING WATER SUPPLY D/N TAKE PIPE *
8	DOMESTIC WATER SUPPLY RISER *
9	FLUSHING WATER SUPPLY RISER *
10	HYDRO-PNEUMATIC DOMESTIC WATER SUPPLY D/N TAKE PIPE FOR TOP 4 FLOORS *
FT	FLOOR TRAP (110 x 110) MM, WATER SEAL : 50 MM OUTLET SIZE IN SLAB – 150 x 150 MM
MT	MULTI TRAP (110 x 75) MM
FD	FLOOR DRAIN (110 x 110) MM
BD	BALCONY DRAIN (110 x 63) MM

TYPICAL CONNECTION PLAN :



PLUMBING SHAFT LEGEND :

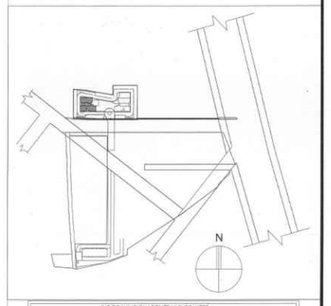
	BRANCH STORM WATER MANHOLE (600 x 600) MM
	BRANCH SEWER MANHOLE (900 x 800) MM
	GULLY TRAP (300 x 300) MM

FAR CALCULATIONS - TOWER T2	
FAR (For One Building)	AREA IN SqM
PROPOSED COVERED AREA ON GROUND FLOOR	128.387
PROPOSED COVERED AREA ON FIRST FLOOR	390.785
PROPOSED COVERED AREA ON SECOND FLOOR	390.785
PROPOSED COVERED AREA ON THIRD FLOOR	390.785
PROPOSED COVERED AREA ON FOURTH FLOOR	390.785
PROPOSED COVERED AREA ON FIFTH FLOOR	390.785
PROPOSED COVERED AREA ON SIXTH FLOOR	390.785
PROPOSED COVERED AREA ON SEVENTH FLOOR	390.785
PROPOSED COVERED AREA ON EIGHTH FLOOR	390.785
PROPOSED COVERED AREA ON NINTH FLOOR	390.785
PROPOSED COVERED AREA ON TENTH FLOOR	390.785
PROPOSED COVERED AREA ON ELEVENTH FLOOR	390.785
TOTAL COVERED AREA OF ALL FLOORS	4427.022

NOTES

1. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. ALL BASEMENT AREAS SHALL BE MECHANICALLY LIT AND VENTILATED WITH 100% POWER BACK-UP
3. GATE AND BOUNDARY WALL SHALL BE AS PER STANDARD DESIGN.
4. THE PROVISION OF SOLAR WATER HEATING SYSTEM TO BE AS PER NORMS SPECIFIED BY HAREDA, AND MADE OPERATIONAL BEFORE APPLYING FOR OCCUPANCY CERTIFICATE.
5. RAIN WATER HARVESTING SYSTEM SHALL BE AS PER CENTRAL GROUND WATER AUTHORITY NORMS/ HARYANA GOVT.
6. FIRE FIGHTING PROVISIONS INCLUDING FIRE SPRINKLERS SHALL BE AS PER NBC GUIDELINES.

KEY PLAN
NOT TO SCALE



DOOR WINDOW SCHEDULE-TOWERS

S.No.	LEGEND	WIDTH D/W	CILL LEVEL	LINTEL LEVEL	HEIGHT OF OPENING
1	FD1	1150	0	2450	2450
2	FD1A	900	0	2450	2450
3	ID2	1000	0	2150	2150
4	ID3	900	0	2150	2150
5	ID4	800	0	2150	2150
6	ID5	750	0	2150	2150
7	ID6	900	0	2450	2450
8	SD1	2200	0	2450 / B.O.B	2450
9	SD2	1800	0	2450 / B.O.B	2450
10	W1	1850	550	2450 / B.O.B	1900
11	W2	1500	0	2450 / B.O.B	2450
12	W3	600	1050	2450 / B.O.B	1400
13	W4	800	1050	2450 / B.O.B	1400
14	W5	650	AS/STAIRCASE DETAIL		
15	W6	900	550	2450 / B.O.B	1900
16	W7	1000	1050	2450 / B.O.B	1400
17	W8	1200	1050	2450 / B.O.B	1400
18	V	600	2700	3300	600
19	DW1	1300 = 900/400	0/1050	0/2450	2450/1400
20	D1	1200	0	2450	2450
21	D2	1050	0	2450	2450
22	D3	1100	0	2150	2150
23	D4	800	0	2150	2150
24	D5	750	0	2150	2150
25	FD1	1200	0	2150	2150
26	FD2	1200	0	2150	2150
27	FD3	900	0	2150	2150
28	FD4	900	100	2150	2050
29	SF1	600	100	2450	2350
30	GL1	2300 + 7700	0	3600	3600
31	GL2	4100 +1870 + 8100	0	3600	3600
32	GL3	1800	0	3600	3600
33	GL4	1900	0	3600	3600
34	GL5	3950+2650 = 6600	0	2800	2800
35	GL6	4550+2800 = 7350	0	4500	4500

NOTE : THE MENTIONED DOORS / WINDOWS ARE 2 HOURS FIRE RATING FD1, FD2, FD3, FD1, FD1A, SF1, W5, W7

HUDA SUBMISSION DRAWING

Client :
Sh. Ajit Singh And Other In Collaboration With EMAAR MGF LAND LTD.

Job Title :
Proposed Building Plans for Housing Group Colony Measuring 10.744 acres Land (Licence no. 4 of 2013 dated 18-02-2013 in Sector 112, Gurgaon, Manesar, Urban Complex, Gurgaon, Haryana, being developed by Sh. Ajit Singh and Others in Collaboration with EMAAR MGF LAND LTD.

Architects:
Arcop Associates Pvt. Ltd.
Plot- 36b, Sec-32, Gurgaon-122001
Ph.: +91-124-4395500 FAX: +91-124-4395550

Structure:
TPC Technical Projects Consultants Pvt. Ltd.
B-74 | Sector 57 | Noida 201301 | Uttar Pradesh | India
T: +91-120-4306800 | D: +91-120-4306804 | www. tpcl.in

MEP:
Paradise Consultants
Plot No. 96, Basement, Jasola Vihar, New Delhi 110026
T: +91-11-29943601 | T: +91-11-26943216
E mail: paradiseconsultants@gmail.com

Owners' Signature

Architect's Signature

Checked and found ok for Public Health (Internal) Service only subject to comments in forwarding letter No. R30404 Dt. 26/10/23

DTP (HQ) | S.T.P. (HQ) Member Secretary B.P.A.C. | S.T.P. (R) Member B.P.A.C. | C.T.A.(HR) Chairman B.P.A.C.

Superintending Engineer (HQ) for Chief Engineer-1 HSVP, Panchkula

Consultant Architect | ATP(HQ)

TO BE READ WITH THIS OFFICE MEMO NO.: DATED :
Varinder Kumar AD(HQ)

AD. | P.A. | A.T.P.

For toilet detail Ref. Dwg No. A305, A306

Drawing Title
TOWER 2
GROUND & FIRST FLOOR
& AREA DIAGRAMS

Date	Scale	Drawing No.
01-11-2023	1:100	A-300