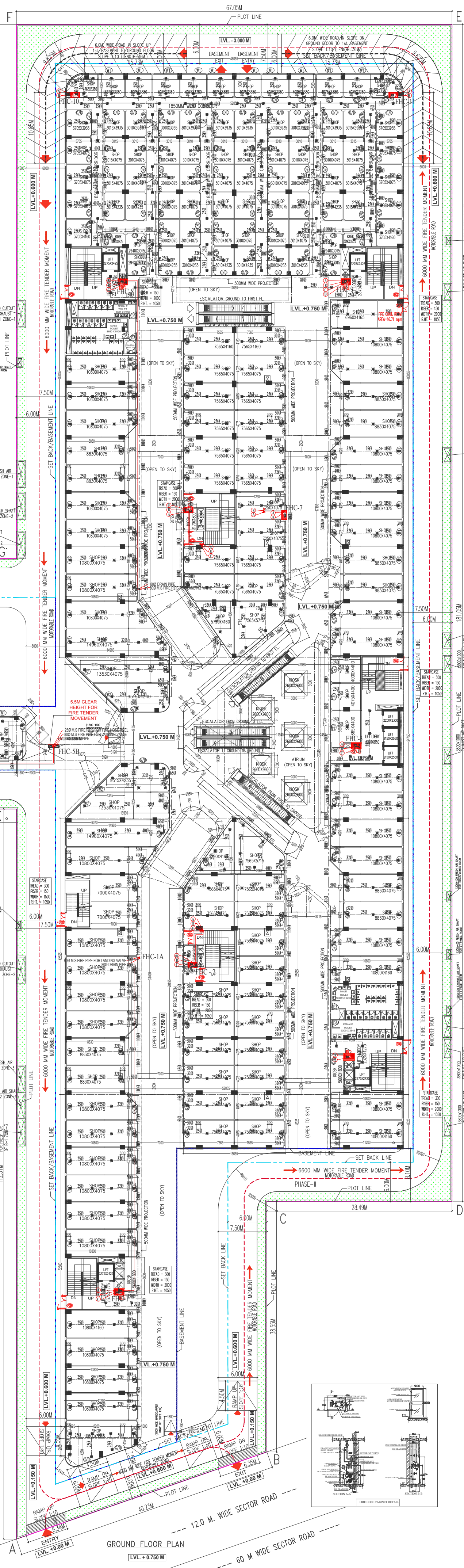
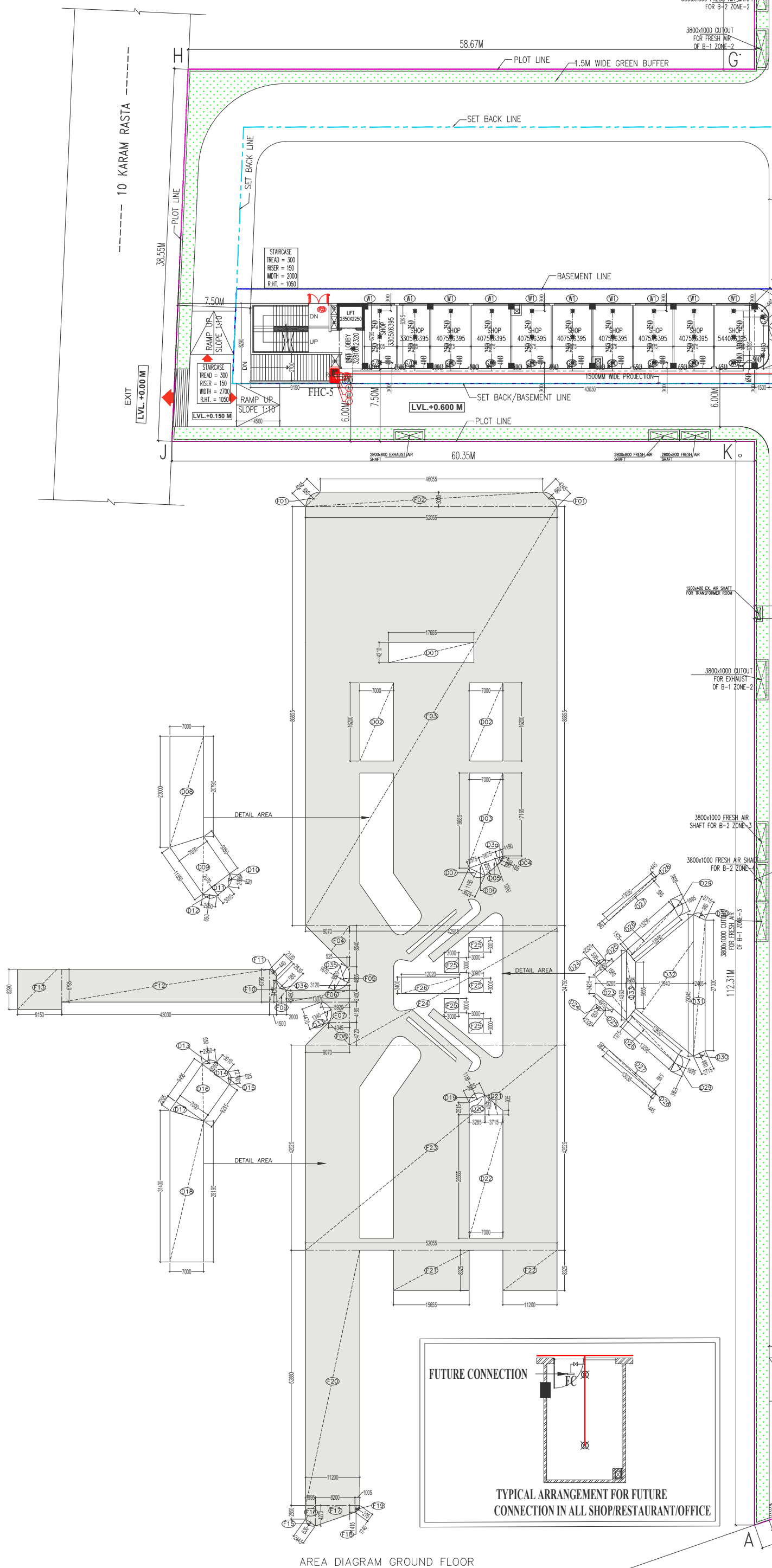


DEDUCTION AREA						
D01	17.655	X	4.400	1.00	1	77.682
D02	7.000	X	16.200	1.00	2	226.800
D03	(19.685 + 17.165) / 2 X 7.000				1	128.975
D3a	1.190	X	1.200	0.50	1	0.714
D04	1.690	X	0.185	0.67	1	0.209
D05	(2.555 + 1.200) / 2 X 3.675				1	6.688
D06	2.375	X	2.555	0.50	1	3.280
D07	3.625	X	1.155	0.67	1	2.905
D08	(23.000 + 20.795) / 2 X 7.000				1	153.302
D09	(9.380 + 11.850) / 2 X 7.000				1	74.285
D10	0.520	X	2.690	0.67	1	0.937
D11	(7.000 + 3.010) / 2 X 2.070				1	10.360
D12	0.650	X	2.950	0.67	1	1.285
D13	2.950	X	0.650	0.67	1	1.285
D14	(7.000 + 3.010) / 2 X 2.050				1	10.655
D15	0.525	X	2.700	0.67	1	0.950
D16	(9.485 + 9.235) / 2 X 7.000				1	65.560
D17	2.205	X	7.000	0.50	1	7.718
D18	(31.400 + 29.195) / 2 X 7.000				1	212.082
D19	1.155	X	3.625	0.67	1	1.805
D20	(2.515 + 4.050) / 2 X 3.285				1	20.873
D21	(4.050 + 0.935) / 2 X 3.715				1	9.259
D22	7.000	X	25.565	1.00	1	178.955
D23	(3.425 + 14.360) / 2 X 6.265				1	55.711
D24	2.320	X	0.550	0.67	2	1.710
D25	(0.200 + 49.910) / 2 X 1.580				2	11.423
D26	(1.375 + 1.735) / 2 X 12.830				2	39.963
D27	(0.840 + 0.585) / 2 X 13.035				2	18.574
D28	0.585	X	0.445	0.50	2	0.260
D29	3.805	X	1.695	0.67	2	8.642
D30	2.715	X	0.860	0.67	2	3.129
D31	(29.345 + 27.030) / 2 X 2.455				1	69.200
D32	(9.655 + 29.345) / 2 X 11.940				1	232.830
D33	(14.360 + 9.655) / 2 X 1.985				1	23.834
D34	1.340	X	4.470	0.67	1	4.013
D34	0.385	X	0.830	0.67	1	1.109
D35	5.520	X	1.670	0.67	1	6.176
TOTAL DEDUCTION AREA (B)						1663.769
TOTAL FAR AREA / GROUND COVERAGE AT GROUND FLOOR (C) = (A-B)						7903.971

GROUND TOILET CALCULATION									
TOTAL FAR AREA AT GROUND FLOOR						7903.9/1		SCM1	
DENSITY AT GROUND FLOOR						2634.687		2635	
NO	PERMANENT POPULATION		FLOATING POPULATION		TOTAL REQUIRED		TOTAL PROVIDED		
	10%	263.47	90%	2371.19					
	MALE (%)	FEMALE (%)	MALE (%)	FEMALE (%)	MALE	FEMALE	MALE	FEMALE	
POPULATION	176	88	1581	780	-	-	-	-	
WASH	7.03	5.85	6.32	4.94	10	11	15	13	
URINAL	12.58	10.48	31.62	37	9	15	49	48	
WASH BASIN	7.03	3.51	6.32	5.68	10	9	15	11	

Exit Calculation For Ground Floor						
Total floor area					7903.871	sqm
Open Shop area					831.210	sqm
Net Area for Exit					6972.761	sqm
Floors		Average occupant load as per NBCB	No. of occupant	As per NBCB (6/10m ²)	Exit Required	EXIT Provided
Mercantile Area	6972.761	3	2324.25	10	23242.54	1 X 2000 = 2000 MM 2 X 1800 = 14400 MM 1 X 7800 = 7800 MM TOTAL = 23800 MM



- GENERAL NOTES :**
1. DRAWINGS IN PL & FF SERVICE REPRESENTS PLUMBING AND FIRE SUPPRESSION SYSTEM DETAIL.
 2. IN CASE OF ANY DISCREPANCY IT SHOULD BE BROUGHT TO THE NOTICE OF ARCHITECT / PROJECT MANAGER / CONSULTANT.
 3. DRAWING SHOULD NOT BE SCALED. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
 4. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH PLUMBING ARCHITECTURAL, LAND SCAPING, STRUCTURAL AND OTHER SERVICES DRAWING.
 5. ALL SERVICES SHAFTS SHOULD BE SEALED AT EVERY FLOOR LEVEL AFTER INSTALLING SERVICES.

FIRE LEGEND:-

- | | |
|---|--|
|  | PENDANT SPRINKLER(QUICK RESPONSE) |
|  | UPRIGHT SPRINKLER(QUICK RESPONSE) |
|  | EXTENDED THROUGH SIDE WALL SPRINKLER(QUICK RESPONSE) |
|  | SIDE WALL SPRINKLER(QUICK RESPONSE) |
|  | FLOW SWITCH |
|  | FUTURE CONNECTION |
|  | FHC FIRE HOSE CABINET |
| ----- SPRINKLER MAIN PIPE | |
| ----- SPRINKLER BRANCH PIPE | |
|  | CO ₂ TYPE FIRE EXTINGUISHERS 4.5KG. |
|  | 9 Ltr WATER TYPE CO ₂ FIRE EXTINGUISHER |
|  | ISOLATION VALVE |
|  | NON-RETURN VALVE |
|  | DROP |
|  | RISE |
| A | 1000 FIRE HYDRANT PIPE |
| B | 800 FIRE DRAIN PIPE |
| C | 1500 SPRINKLER PIPE |
| D | 1000 MAKE-UP PIPE |

Manglam Multiplex Private Limited
Authorized Signatory

FIRE CONSULTANT
IA & ASSOCIATES

TOILET DETAIL - 01

SCHEDULE OF OPENINGS				
TYPE	WIDTH	HEIGHT	SILL HT.	LINTEL
W1	3600	1800	900	2700
W2	5200	1800	900	2700
W3	8000	1800	900	2700
W4	1800	1800	900	2700
W5	2500	1800	900	2700
GL	GLAZING (AS/PLAN)			
G/D	3675	2100	-	2100
D1	2000	2100	-	2100
D2	1500	2100	-	2400
D3	1000	2100	-	2100
D4	900	2100	-	2100
D5	750	2100	-	2100
FCD	2000	2100	-	2100
FCD1	1500	2100	-	2100
FD	750	2100	-	2100

NOTES

1. WHOLE BUILDING SHALL BE MECHANICALLY VENTILATED WITH 100% POWER BACKUP AND SPRINKLERS WITH ARTIFICIAL LIGHTING.
2. HANDICAP RAMP WITH RAILING
3. ALL PARTITION ARE IN 125/200MM THICK IN BLOCK WORK .

ARCHITECT'S SIGN	OWNER'S SIGN
CLIENT M./S. MANGLAM MULTIPLEX PRIVATE LIMITED	

PROJECT: -
PROPOSED BUILDING PLAN OF COMMERCIAL COLONY FOR AN
AREA MEASURING 4.0 ACRES (LICENCE NO 84 OF 2022
DATED 06.07.2022) IN SECTOR-65, GURUGRAM MANESAR
URBAN COMPLEX BEING DEVELOPED BY
MANGLAM MULTIPLEX PRIVATE LIMITED.

TITLE: GROUND FLOOR CEILING FIRE SUPPRESSION LAYOUT			
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DEALT (Signature)	 GAN F. MATHER AND ASSOCIATES (PVT) LTD. ARCHITECTS & PLANNERS 2nd Floor, 1-500		
FF-04			