THIRD FLOOR AREA CALCULATION

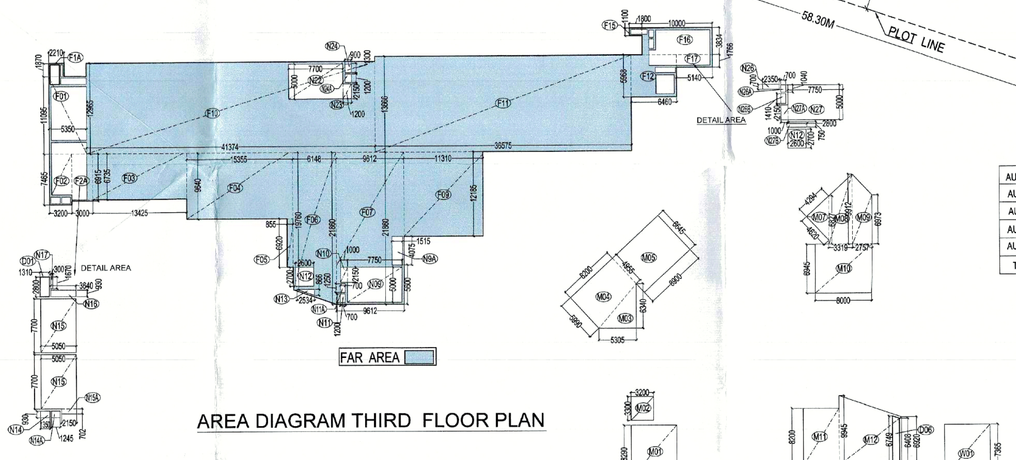
TOTAL COVD. AREA AT THIRD FLOOR =ADDITION - DEDUCTION

ADDITION AREA						
Sr No	Dim (m)	X	Dim (m)	Fec.	Nos	Area (SQM)
F01	5.350	X	11.095	1.00	1	59.358
F1A	2.210	X	1.870	1.00	1	4.133
F02	3.200	X	7.465	1.00	1	23.888
F2A	3.000	X	6.915	1.00	1	20.745
F03	13.425	X	6.735	1.00	1	90.417
F04	15.355	X	9.640	1.00	1	148.022
F05	0.855	X	6.725	1.00	1	5.750
F06	(19.760+21.860) / 2 X6.148				1	127.940
F07	9.612	X	21.860	1.00	1	210.118
F09	11.310	X	12.185	1.00	1	137.812
F10	41.374	X	12.965	1.00	1	536.414
F11	36.575	X	13.666	1.00	1	499.834
F12	6.460	X	5.968	1.00	1	38.553
F15	1.800	X	1.100	1.00	1	1.980
F16	10.000	X	3.834	1.00	1	38.340
F17	5.140	X	1.766	1.00	1	9.077
TOTAL ADDITION AREA(A)						1952.382
DEDUCTION AREA						
D01	1.310	X	2.800	1.00	1	3.668
TOTAL DEDUCTION AREA (B)						3.668
COVD. AREA AT THIRD FLOOR (C) = (A-B)						1948.714

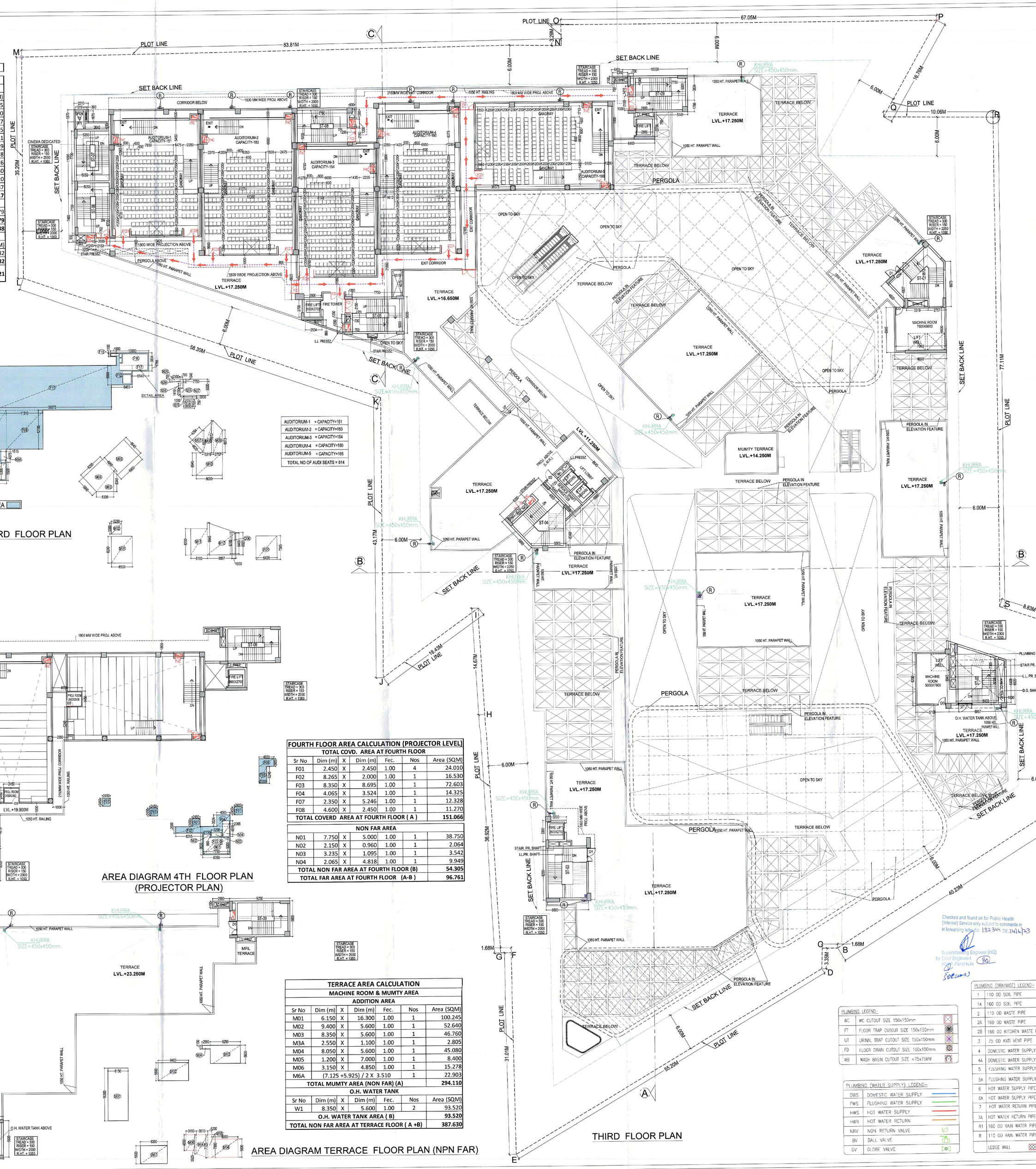
NON FAR AREA						
N09	7.750	X	5.000	1.00	1	38.750
N9A	1.515	X	4.075	1.00	1	6.174
N10	1.000	X	2.150	1.00	1	2.150
N11	0.700	X	1.250	1.00	1	0.875
N11A	0.700	X	1.200	1.00	1	0.840
N12	2.600	X	2.700	1.00	2	14.040
N13	2.534	X	0.866	0.50	1	1.097
N14	1.350	X	0.930	1.00	1	1.256
N14A	1.245	X	0.930	1.00	1	1.158
N15	5.050	X	7.700	1.00	2	77.770
N15A	2.150	X	0.702	1.00	1	1.509
N16	3.640	X	0.930	1.00	1	3.385
N17	0.300	X	1.670	1.00	1	0.501
N22	4.950	X	7.700	1.00	1	38.115
N23	1.200	X	2.150	1.00	1	2.580
N24	0.900	X	1.300	1.00	1	1.170
N24A	0.900	X	1.200	1.00	1	1.080
N26	0.700	X	2.350	1.00	1	1.645
N26A	0.700	X	1.040	1.00	1	0.728
N26B	0.700	X	1.410	1.00	1	0.987
N27	7.750	X	5.000	1.00	1	38.750
N27A	1.000	X	2.150	1.00	1	2.150
N27B	2.800	X	0.750	1.00	1	2.100
TOTAL NON FAR AREA AT THIRD FLOOR (B)						238.810
TOTAL FAR AREA AT THIRD FLOOR (A-B) =C						1709.905

THIRD FLOOR AREA CALCULATION (NON FAR)

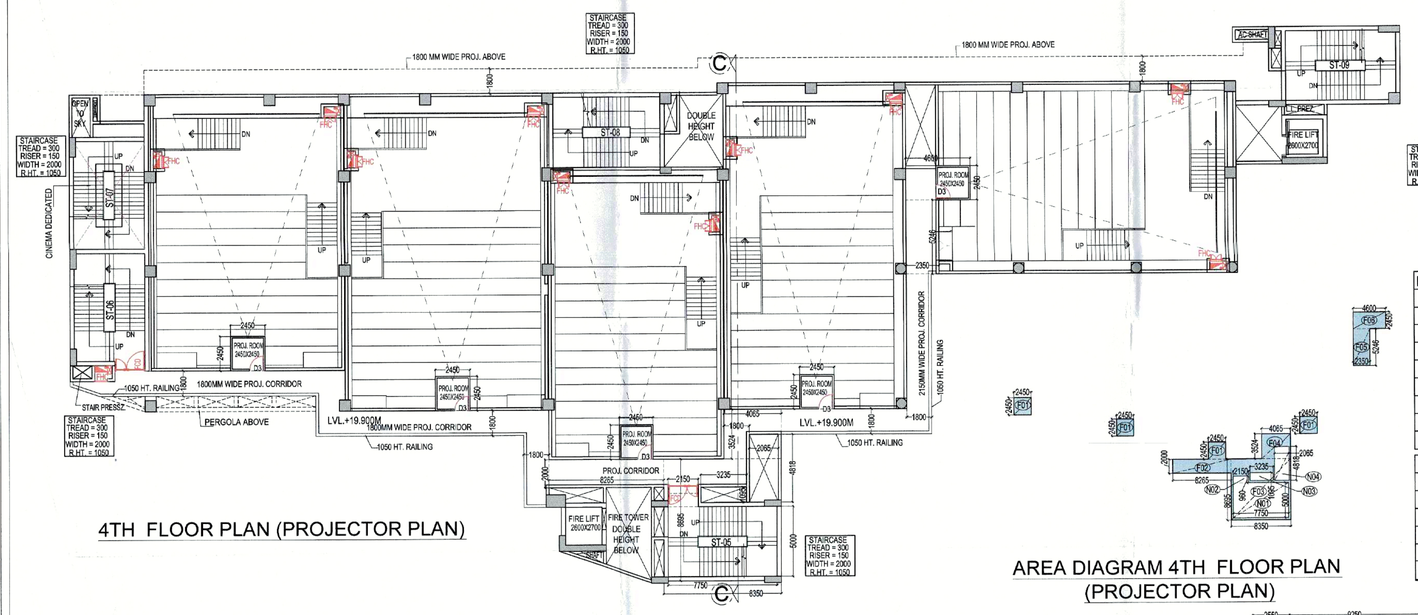
MACHINE ROOM, MUMTY AREA & OH TANK						
ADDITION AREA						
Sr No	Dim (m)	X	Dim (m)	Fec.	Nos	Area (SQM)
M01	6.500	X	8.290	1.00	1	53.885
M02	3.200	X	3.300	1.00	1	10.560
M03	5.305	X	6.340	0.50	1	16.817
M04	(5.990 + 4.955) / 2 X 8.200				1	44.875
M05	8.900	X	6.645	1.00	1	59.141
M07	4.294	X	4.620	0.50	1	9.919
M08	(9.912 +6.827) / 2 X 3.319				1	27.778
M09	(9.912 +6.973) / 2 X 2.757				1	23.276
M10	8.000	X	6.945	1.00	1	55.560
M11	5.100	X	8.200	1.00	1	41.820
M12	(9.945 + 6.920) / 2 X 8.857				1	74.687
TOTAL ADDITION AREA (1)						418.317
DEDUCTION AREA						
D06	(6.749 + 6.408) / 2 X 1.000				1	6.579
TOTAL DEDUCTION AREA (2)						6.579
TOTAL MUMTY AREA (NON FAR) (X) = (1-2)						411.738
O.H. WATER TANK						
Sr No	Dim (m)	X	Dim (m)	Fec.	Nos	Area (SQM)
W1	6.455	X	7.365	1.00	2	95.082
O.H. WATER TANK AREA (Y)						95.082
M.R. ,MUMTY &OH TANK NON FAR AREA AT THIRD FLOOR (D) = (X+Y)						506.821



AREA DIAGRAM THIRD FLOOR PLAN



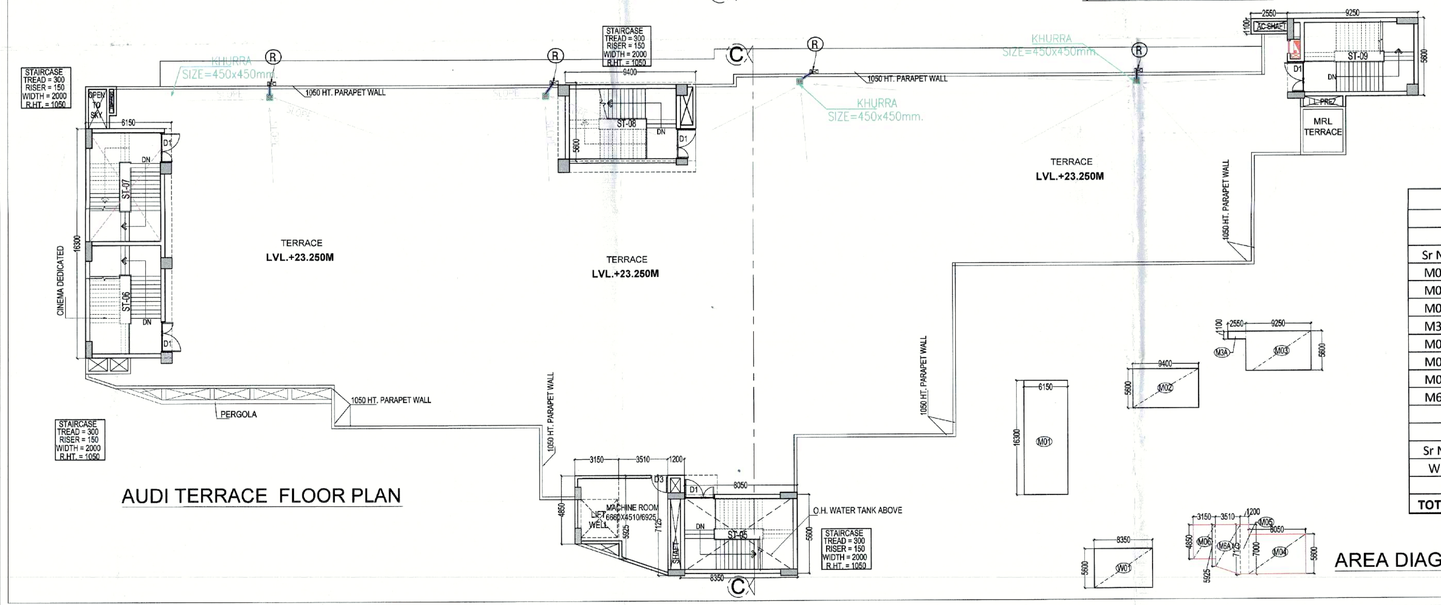
AUDITORIUM-1	= CAPACITY=151
AUDITORIUM-2	= CAPACITY=183
AUDITORIUM-3	= CAPACITY=154
AUDITORIUM-4	= CAPACITY=160
AUDITORIUM-5	= CAPACITY=166
TOTAL NO OF AUDI SEATS = 814	



4TH FLOOR PLAN (PROJECTOR PLAN)

AREA DIAGRAM 4TH FLOOR PLAN (PROJECTOR PLAN)

FOURTH FLOOR AREA CALCULATION (PROJECTOR LEVEL)						
TOTAL COVD. AREA AT FOURTH FLOOR						
Sr No	Dim (m)	X	Dim (m)	Fec.	Nos	Area (SQM)
F01	2.450	X	2.450	1.00	4	24.010
F02	8.265	X	2.000	1.00	1	16.530
F03	8.350	X	8.695	1.00	1	72.603
F04	4.065	X	3.524	1.00	1	14.325
F07	2.350	X	5.246	1.00	1	12.328
F08	4.600	X	2.450	1.00	1	11.270
TOTAL COVERD AREA AT FOURTH FLOOR (A)						151.066
NON FAR AREA						
N01	7.750	X	5.000	1.00	1	38.750
N02	2.150	X	0.960	1.00	1	2.064
N03	3.235	X	1.095	1.00	1	3.542
N04	2.065	X	4.818	1.00	1	9.949
TOTAL NON FAR AREA AT FOURTH FLOOR (B)						54.305
TOTAL FAR AREA AT FOURTH FLOOR (A-B)						96.761



AUDI TERRACE FLOOR PLAN

AREA DIAGRAM TERRACE FLOOR PLAN (NPN FAR)

TERRACE AREA CALCULATION						
MACHINE ROOM & MUMTY AREA						
ADDITION AREA						
Sr No	Dim (m)	X	Dim (m)	Fec.	Nos	Area (SQM)
M01	6.150	X	16.300	1.00	1	100.245
M02	9.400	X	5.600	1.00	1	52.640
M03	8.350	X	5.600	1.00	1	46.760
M3A	2.550	X	1.100	1.00	1	2.805
M04	8.050	X	5.600	1.00	1	45.080
M05	1.200	X	7.000	1.00	1	8.400
M06	3.150	X	4.850	1.00	1	15.278
M6A	(7.125 +5.925) / 2 X 3.510				1	22.903
TOTAL MUMTY AREA (NON FAR) (A)						294.110
O.H. WATER TANK						
Sr No	Dim (m)	X	Dim (m)	Fec.	Nos	Area (SQM)
W1	8.350	X	5.600	1.00	2	93.520
O.H. WATER TANK AREA (B)						93.520
TOTAL NON FAR AREA AT TERRACE FLOOR (A +B)						387.630

THIRD FLOOR PLAN

Exit Calculation For Third Floor					
Total Gross area			1948.714		
Audi Area at Third Floor			1476.900		SQM
Circulation Area at Second Floor			471.814		
Audi Seat 50% (814/2=407 Seat)					
Floors	Average occupant load as per NBC	No. of occupant	As per NBC (@ 10mm/ Person)	Exit Required (MM)	STAIR CASE NO	EXIT Provided (MM)
Audi Seat 50% (814/2=407 Seat)	814/2=407	1.2	488.40	10	488.00	ST-05	2000
Circulation Area	471.814	6	78.64	10	786.36	ST-06	2000
						ST-07	2000
						ST-08	2000
						ST-09	2000
TOTAL			567.04		5670		10000

SCHEDULE OF -OPENINGS					
TYPE	WIDTH	HEIGHT	SILL HT.	LINTEL	FIRE RATED
D	2000	2100	-	2100	
D1	1500	2100	-	2100	
D2	1200	2100	-	2100	
D3	900	2100	-	2100	
FCD	2000	2100	-	2100	2 Hr.
FCD1	2250	2400	-	2400	2 Hr.
FCD2	1200	2100	-	2100	2 Hr.
FCD3	900	2100	-	2100	2 Hr.
FCD4	3000	3000	-	3000	2 Hr.
FCD5	1500	2100	-	2100	2 Hr.
FCD6	2500	3000	-	3000	2 Hr.
FD1	2000	2100	-	2100	2 Hr.
FD	900	2100	-	2100	2 Hr.
G/D	AS/PLAN	2700	-	2700	
GL	AS/PLAN	2700	-	2700	
W1	AS/PLAN	2400	-	600	
V1	1000	900	-	B.O.B	

N O T E S:-

THIS DEVELOPMENT HAS BEEN CONCEIVED, DESIGNED AND DRAFTED ON THE BASIS OF THE FOLLOWING:-

1. ALL USEABLE OFFICE SPACES/RETAIL SPACES (LIKE SHOP AREAS, ENTERTAINMENT) WILL BE AIR-CONDITIONED. THEREFORE,NO PROVISION HAS BEEN MADE FOR NATURAL VENTILATION OF SPACES.

2. ALL TOILETS/KITCHENS WILL BE MECHANICALLY VENTILATED,CONDITIONED AIR FROM THE FLOOR WILL BE SUCKED IN TO THE TOILETS/KITCHENS AND VENTED OUT THROUGH A VENT SHAFT.

3. ALL SPACES (OFFICE SPACES,RETAIL SPACES,SERVICE AREAS, PARKING BASEMENT ETC) WILL BE ARTIFICIALLY LIT. ANY NATURAL LIGHT WHICH IS AVAILABLE IN THE OFFICE SPACES IS ONLY INCIDENTAL AND NOT ESSENTIAL TO THE FUNCTIONING OF THE BUILDING.

4. 100% STANDBY GENERATING CAPACITY WILL BE PROVIDED FOR THE ENTIRE ELECTRICAL REQUIREMENT OF THE TOTAL SCHEME. THIS THEREFORE INCLUDE STANDBY GENERATION FOR ALL COMMON SERVICES, FIRE SERVICES, LIFTS ETC. AND ALSO THE ENTIRE ELECTRICAL LOAD FOR VENTILATION,AIR-CONDITIONING, LIGHTS AND ALL OFFICE EQUIPMENT.

5. BASEMENT WILL BE ARTIFICIALLY VENTILATED.

6. THIS BUILDING WILL BE SPRINKLED AS PER NBC NORMS.

7. HANDICAP LIFT / PLATFORM WILL BE PROVIDED

PLUMBING LEGEND:-	
WC	WC CUTOUT SIZE 150x150mm
FT	FLOOR TRAP CUTOUT SIZE 150x150mm
UT	URINAL TRAP CUTOUT SIZE 150x150mm
FD	FLOOR DRAIN CUTOUT SIZE 100x100mm
WB	WASH BASIN CUTOUT SIZE =75x73MM

PLUMBING (WATER SUPPLY) LEGEND:-	
DWS	DOMESTIC WATER SULPPLY
FWS	FLUSHING WATER SULPPLY
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
NRV	NON RETURN VALVE
BV	BALL VALVE
GV	GLOBE VALVE

PLUMBING (DRAINAGE) LEGEND:-	
1	110 OD SOIL PIPE
1A	160 OD SOIL PIPE
2	110 OD WASTE PIPE
2A	160 OD WASTE PIPE
2B	160 OD KITCHEN WASTE PIPE
3	75 OD ANTI VENT PIPE
4	DOMESTIC WATER SUPPLY PIPE FOR HIGH ZONE
4A	DOMESTIC WATER SUPPLY PIPE FOR LOW ZONE
5	FLUSHING WATER SUPPLY PIPE FOR HIGH ZONE
5A	FLUSHING WATER SUPPLY PIPE FOR LOW ZONE
6	HOT WATER SUPPLY PIPE FOR HIGH ZONE
6A	HOT WATER SUPPLY PIPE FOR LOW ZONE
7	HOT WATER RETURN PIPE FOR HIGH ZONE
7A	HOT WATER RETURN PIPE FOR LOW ZONE
R1	160 OD RAIN WATER PIPE
R	110 OD RAIN WATER PIPE
LEDGE WALL	

Checked and found ok for Public Health (Internal) Service only subject to comments in its forwarding letter No. 132 PHE DK.14/4/23

Superintending Engineer (HQ) for Chief Engineer (PH) Panchkula

For Peerage Buildwell Pvt Ltd
Authorised Signatory
OWNER'S SIGN

GIAN P. MATHUR
ARCHITECT
B. Arch., M.C.A. I.I.A
CA No. 80/5769
ARCHITECT'S SIGN

PROJECT:-
PROPOSED BUILDING PLAN OF COMMERCIAL COLONY AREA MEASURING 3.9625 ACRES (LICENCE NO. 47 DATED 18/04/2022) IN SECTOR-89, GURUGRAM BEING DEVELOPED BY SMART ARENA HOMETOWN LLP IN COLLABORATION WITH PEERRAGE BUILDWELL PVT. LTD.

TITLE:- THIRD , FOURTH & TERRACE FLOOR PLAN

DRG.NO.:- SB-08

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DEALT RAKESH
CHKD AMIT
SCALE:-1:200
DATE:- 15/06/2023

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