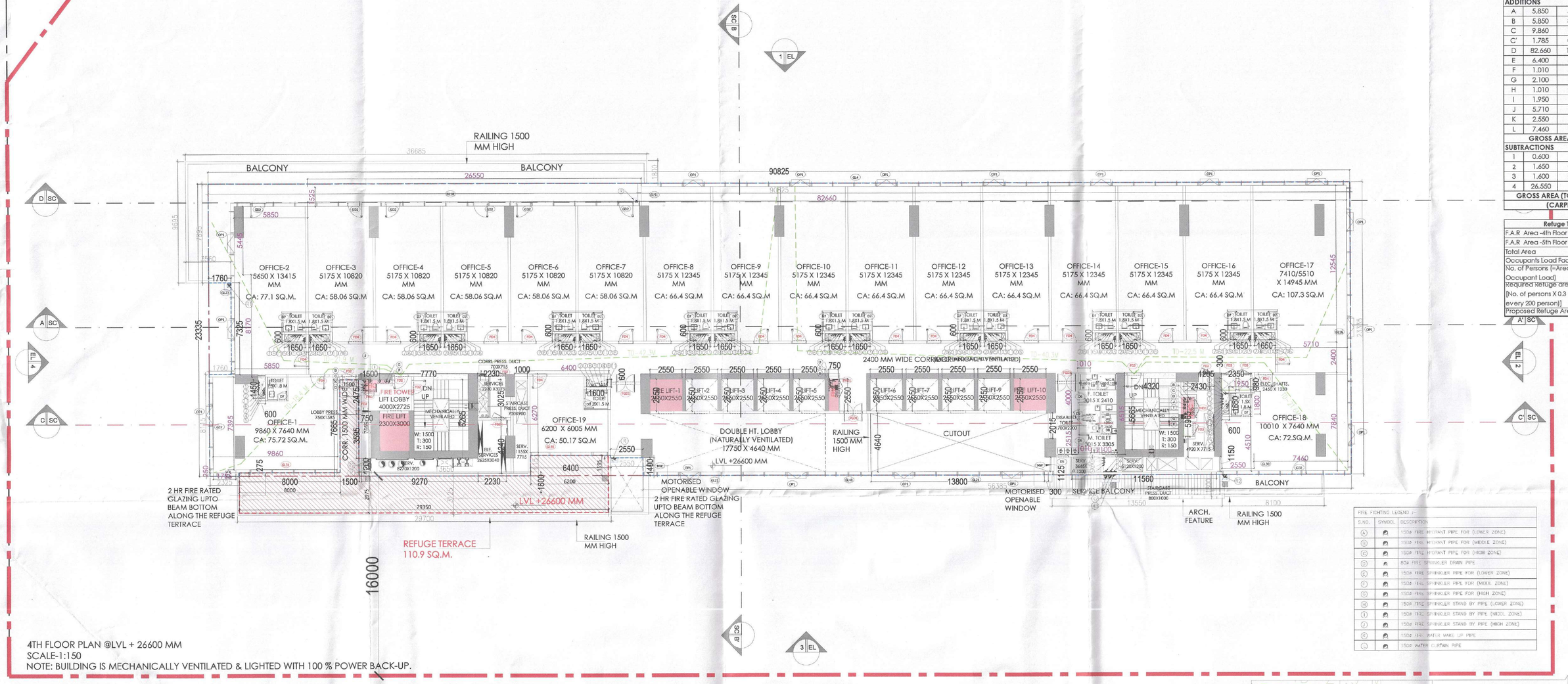


4TH FLOOR PLAN @LVL + 26600 MM
SCALE-1:150
NOTE: BUILDING IS MECHANICALLY VENTILATED & LIGHTED WITH 100 % POWER BACK-UP.

4TH FLOOR (CARPET AREA)						
S.NO.	WIDTH(M)	LENGTH(M)	COEFF.	NOS.	AREA (SqM)
ADDITIONS						
A	5.850	5.445	1	1	31.853
B	5.850	8.170	1	1	47.795
C	9.860	7.645	1	1	75.380
C'	1.785	0.250	1	1	0.446
D	82.660	12.545	1	1	1036.970
E	6.400	6.270	1	1	40.128
F	1.010	4.000	1	1	4.040
G	2.100	6.515	1	1	13.682
H	1.010	2.515	1	1	2.540
I	1.950	1.800	1	1	3.510
J	5.710	2.400	1	1	13.704
K	2.550	4.510	1	1	11.501
L	7.460	7.840	1	1	58.486
GROSS AREA (TOTAL ADDITIONS)						1340.034
SUBTRACTIONS						
1	0.600	1.450	1	1	0.870
2	1.650	0.600	1	16	15.840
3	1.600	0.600	1	1	0.960
4	26.550	1.525	1	1	40.489
GROSS AREA (TOTAL SUBTRACTIONS)						58.159
(CARPET AREA)						1281.875

Refuge Terrace Calculation_4TH	
F.A.R Area -4th Floor	1783.951 sq.m
F.A.R Area -5th Floor	1744.584 sq.m
Total Area	3528.535 sq.m
Occupants Load Factor	10.000 sq.m/person
No. of Persons [=Area of floors/ Occupant Load]	352.854
20%(Fire Fighter area per floor [No. of persons X 0.3 +0.9 (for every 200 person)]	107.656
Proposed Refuge Area	110.903

4TH FLOOR (F.A.R.)						
S.NO.	WIDTH(M)	LENGTH(M)	COEFF.	NOS.	AREA (SqM)
ADDITIONS						
A	90.825	23.335	1	1	2119.401
GROSS AREA (TOTAL ADDITIONS)						2119.401
SUBTRACTIONS						
1	1.760	7.325	1	1	12.892
2	1.650	0.600	1	17	16.830
3	1.500	2.475	1	1	3.713
4	0.750	3.595	1	1	2.696
5	7.770	6.265	1	1	48.679
6	2.230	3.025	1	1	6.746
7	1.000	7.140	1	1	7.140
8	2.230	4.240	1	1	9.455
9	9.270	1.200	1	1	11.124
10	2.550	2.550	1	10	65.025
10A	0.750	2.550	1	1	1.913
11	4.320	5.665	1	1	24.473
12	2.430	5.965	1	1	14.495
13	1.205	0.300	1	1	0.362
14	2.350	0.980	1	1	2.303
15	11.560	1.150	1	1	13.294
16	13.800	4.640	1	1	64.032
17	0.300	2.015	1	1	0.605
18	0.300	1.125	1	1	0.338
19	2.550	1.400	1	1	3.570
20	0.600	1.450	1	1	0.870
21	1.400	0.600	1	1	0.960
22	1.500	7.665	1	1	11.498
23	8.000	0.275	1	1	2.200
24	6.400	1.600	1	1	10.240
GROSS AREA (TOTAL SUBTRACTIONS)						335.450
GROSS 1 (NET F.A.R.)						1783.951

FIRE TOWER & ST. AREA CALCULATION- 4TH FLOOR						
S.NO.	WIDTH(M)	LENGTH(M)	COEFF.	NOS.	AREA (SqM)
FIRE TOWER						
3	1.500	2.475	1	1	3.713
5	7.770	6.265	1	1	48.679
STAIRCASE						
11	4.320	5.665	1	1	24.473
GROSS 2 (FIRE TOWER+STAIRCASE)						76.864

SERVICE AREA CALCULATION- 4TH FLOOR						
S.NO.	WIDTH(M)	LENGTH(M)	COEFF.	NOS.	AREA (SqM)
6	2.230	3.025	1	1	6.746
8	2.230	4.240	1	1	9.455
12	2.430	5.965	1	1	14.495
GROSS 3 (SERVICES)						30.696

REFUGE AREA						
S.NO.	WIDTH(M)	LENGTH(M)	COEFF.	NOS.	AREA (SqM)
ADDITIONS						
A	8.000	0.275	1	1	2.200
B	1.500	7.665	1	1	11.498
C	29.350	2.975	1	1	87.316
D	6.200	1.595	1	1	9.889
GROSS 4 (NET REFUGE AREA)						110.903

BUILT-UP AREA CALCULATION- 4TH FLOOR	
GROSS 1	1783.951
GROSS 2	76.864
GROSS 3	30.696
GROSS 4	110.903
GROSS 5 (BUILT-UP AREA)	2002.414

NON- F.A.R AREA CALCULATION- 4TH FLOOR	
GROSS 5	2002.414
GROSS 1	1783.951
TOTAL (GROSS 5 - GROSS 1)	218.463

FIRE POINTING LEGEND		
S.NO.	SYMBOL	DESCRIPTION
A	FHD	150Ø FIRE HYDRANT PIPE FOR (LOWER ZONE)
B	FHD	150Ø FIRE HYDRANT PIPE FOR (MIDDLE ZONE)
C	FHD	150Ø FIRE HYDRANT PIPE FOR (HIGH ZONE)
D	FD	80Ø FIRE SPRINKLER DRAIN PIPE
E	FHD	150Ø FIRE SPRINKLER PIPE FOR (LOWER ZONE)
F	FHD	150Ø FIRE SPRINKLER PIPE FOR (MIDDL ZONE)
G	FHD	150Ø FIRE SPRINKLER PIPE FOR (HIGH ZONE)
H	FD2	150Ø FIRE SPRINKLER STAND BY PIPE (LOWER ZONE)
I	FD2	150Ø FIRE SPRINKLER STAND BY PIPE (MIDDL ZONE)
J	FD2	150Ø FIRE SPRINKLER STAND BY PIPE (HIGH ZONE)
K	FD3	150Ø WATER MAKE UP PIPE
L	FD3	150Ø WATER CURTAIN PIPE

DOOR/ WINDOW SCHEDULE (TOWER)						
S. NO.	TAGS	WIDTH	LINTEL	CILL	LOCATION	FIRE RATINGS
DOORS						
1	D1	2650	2400	0	EXTERNAL SERVICES	
2	D2	1500	2400	0	EXTERNAL SERVICES	
3	D3	1500	2400	0	SHOP BACKSIDE ENTRY	2Hrs
4	D4	1200	2400	0		
5	D5	1000	2400	0		
6	D6	900	2400	0		
7	D7	800	2400	0		
8	D8	750	2400	0		
9	GD	1800	2400	0		
10	GD1	1500	2400	0		
11	GD2	1200	2400	0		
12	GD3	1000	2400	0		
GLAZINGS						
1	GL1	90825	0	0		
2	GL2	84825	0	0		
3	GL3	67136	0	0		
4	GL4	56586	0	0		
5	GL5	45636	0	0		
6	GL6	43525	0	0		
7	GL7	34886	0	0		
8	GL8	30750	0	0		
9	GL9	25985	0	0		
10	GL10	22675	0	0		
11	GL11	20600	0	0		
12	GL12	22550	0	0		
13	GL13	21800	0	0		
14	GL14	24136	0	0		
15	GL15	24093	0	0		
16	GL16	23335	0	0		
17	GL17	22300	0	0		
18	GL18	21995	0	0		
19	GL19	25985	0	0		
20	GL20	14045	0	0		
21	GL21	14550	0	0		
22	GL22	14300	0	0		
23	GL23	13694	0	0		
24	GL24	13386	0	0		
25	GL25	11536	0	0		
26	GL26	10950	0	0		
27	GL27	10317	0	0		
28	GL28	10387	0	0		
29	GL29	10300	0	0		
30	GL30	10256	0	0		
31	GL31	10137	0	0	OFFICE-REFUGE FLOOR	2hr
32	GL32	10133	0	0		
33	GL33	10300	0	0		
34	GL34	9900	0	0		
35	GL35	9425	0	0		
36	GL36	8075	0	0		
37	GL37	7916	0	0		
38	GL38	7891	0	0		
39	GL39	7804	0	0		
40	GL40	7833	0	0		
41	GL41	7748	0	0		
42	GL42	7697	0	0		
43	GL43	7321	0	0		
44	GL44	7100	0	0		
45	GL45	6200	0	0		
46	GL46	4441	0	0		
47	GL47	3916	0	0		
48	GL48	2930	0	0		
49	GL49	2037	0	0		
50	GL50	2000	0	0		
51	GL51	1800	0	0		
52	GL52	1125	0	0		
53	GL54	10387	0	0		
54	GL55	4000	0	0	OFFICE-REFUGE FLOOR	2hr
FIRE DOORS AND WINDOW						
1	FD1	1800	2400		FIRE EXIT BOARDING FLOOR	2hr
2	FD2	1200	2400	0	FIRE TOWER	2hrs
3	FD2	1300	2400	75	V.M.V SHAFT(G.F.)	2hrs
4	FD2	1100	2400	75	V.M.V SHAFT	2hrs
5	FD4	1300	2400	0	OFFICE ENTRY	2hrs
6	FD4	2000	2400	0	RESTAURANT, ASSOL GYM	2hrs
5	FHD1	1300	2400	600	F.H.C.	2hrs
6	FHD	900	2100	600	F.H.C.	2hrs
7	FDD1	1300	2400		ENTRANCE LOBBY ALL FLOORS	2hrs
GLAZING OPENING						
1	OP1	1812	2200	1200	ALL FLOORS	
MOTORISED OPENAIBLE WINDOW						
1	MW	1400	2400	1200	DOUBLE HEIGHT LOBBY	
2	MW1	2525	2400	1200	DOUBLE HEIGHT LOBBY @GROUND & FIRST FLOOR	

PLUMBING VERTICAL RISERS SCHEDULES:-		
1		100Ø SOIL PIPE
2		100Ø WASTE PIPE
3		75Ø VENT PIPE
4		DOMESTIC WATER SUPPLY MAIN PIPE
5		DOMESTIC WATER SUPPLY BRANCH PIPE
5A		DOMESTIC WATER FOR TOP THREE FLOOR
6		FLUSHING WATER SUPPLY MAIN PIPE
7		FLUSHING WATER SUPPLY BRANCH PIPE
8		DOMESTIC WATER RISER TO OHT
9		FLUSHING WATER RISER TO OHT
10		SOFT WATER RISER TO OHT
11		AC DRAIN PIPE
R		100Ø RAIN WATER PIPE
R1		150Ø RAIN WATER PIPE
R2		200Ø RAIN WATER PIPE
R3		100Ø BALCONY DRAIN PIPE

PIPE CONNECTION DIA :-	
WC TO STACK	200Ø SOIL PIPE
SINK TO FT	40Ø WASTE PIPE
FD TO FT	50Ø WASTE PIPE
WASH BASIN TO FT	32Ø WASTE PIPE
FT TO STACK	100Ø WASTE PIPE

DG-AR-107

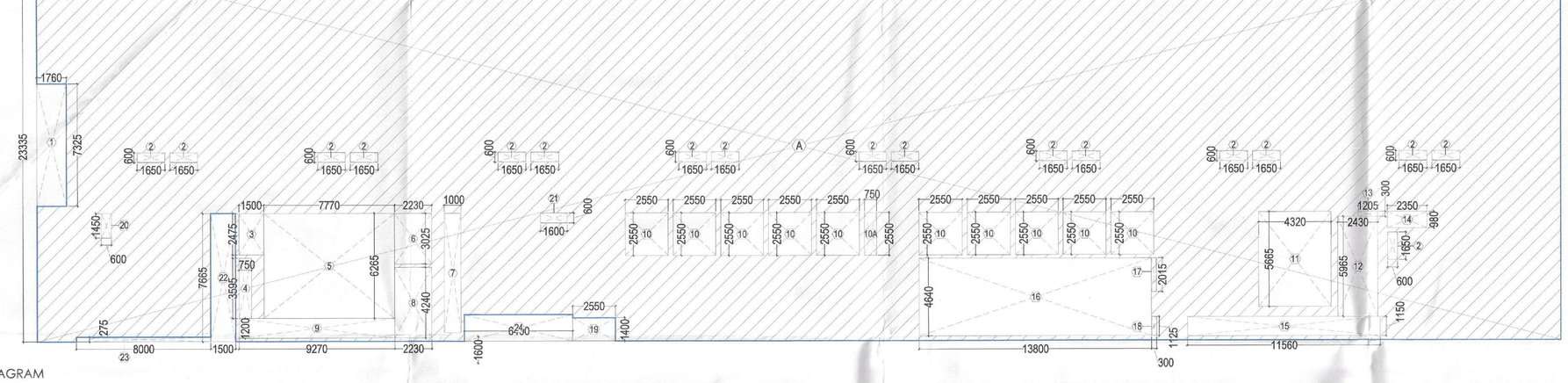
AD PA ATP

Rajesh Dutt SD(HQ)

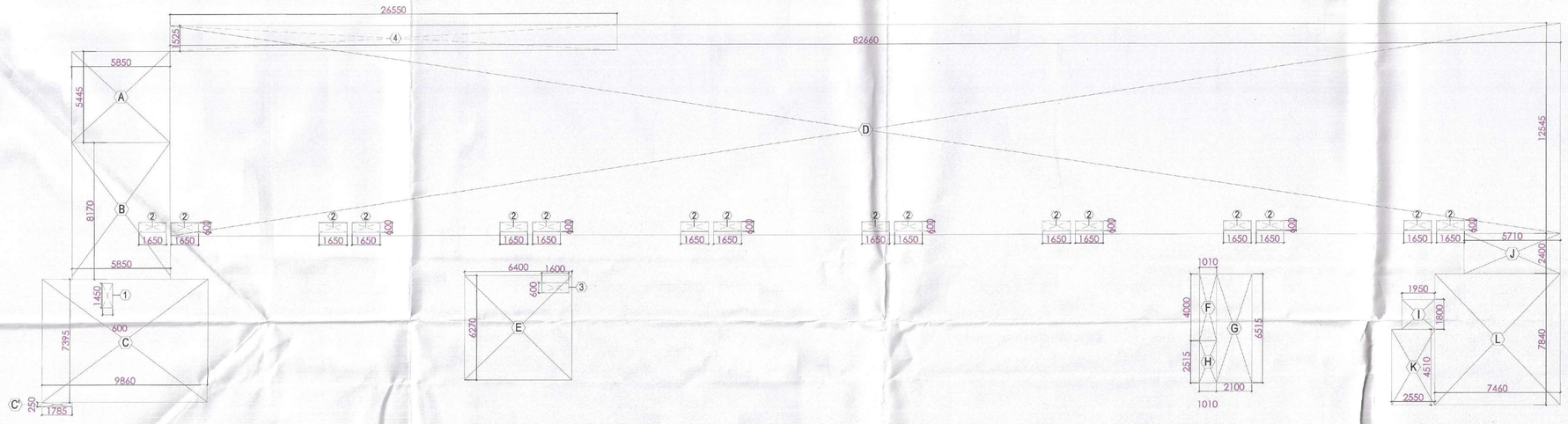
SANCTIONED TO BE READ WITH THIS OFFICE MEMO NO.: 2114 DATED : 16/08/2026

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

ADPO, (HQ) Member BPAC | FSO, (HQ) Member BPAC | DTP(HQ) | ATP (HQ)



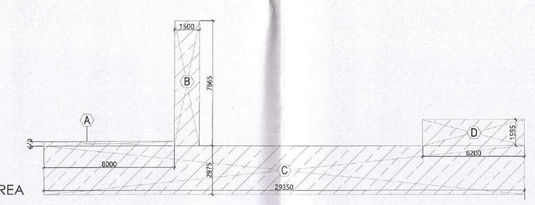
F.A.R DIAGRAM
SCALE-1:150



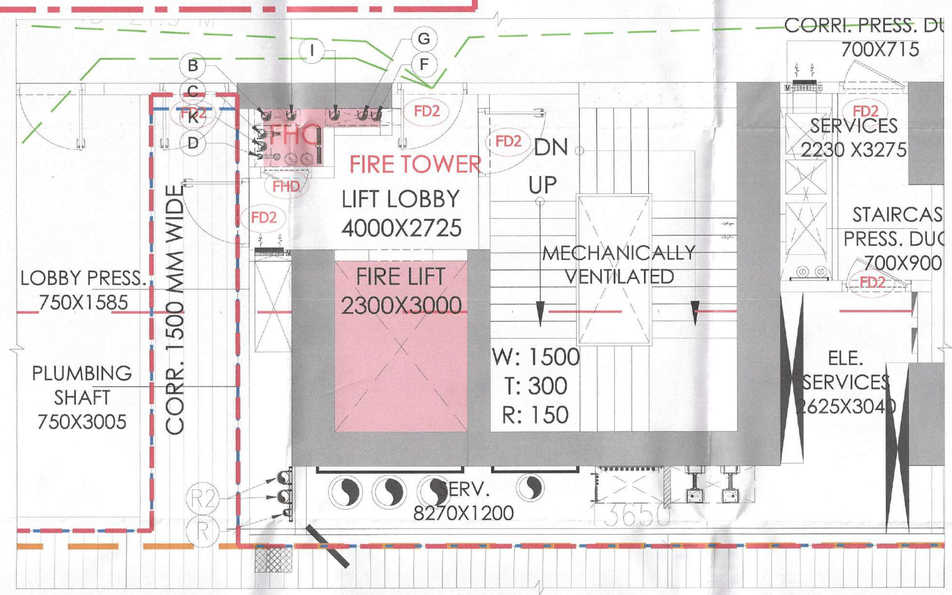
CARPET AREA DIAGRAM
SCALE-1:150

STAIRCASE CALCULATION (AS PER GROSS AREA)				
4TH FLOOR				
	GROSS AREA (SQ.M)	POPOULATION	STAIRCASE WIDTH REQUIRED (MM)	STAIRCASE WIDTH PROPOSED (MM)
OFFICE SPACE @ 10 SQ.M PP	1884.57	188.46		
TOTAL POPULATION		188	1884.569	3000

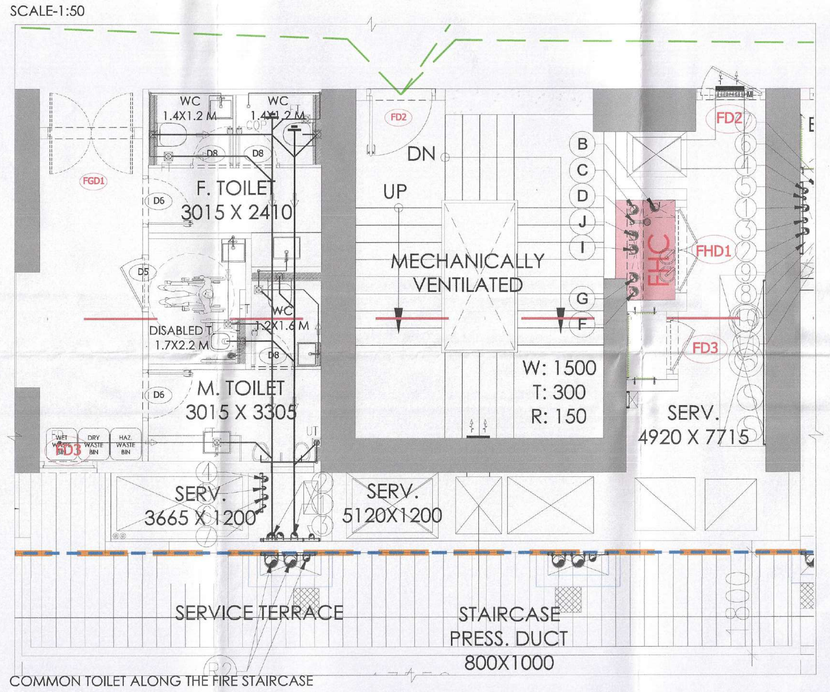
TOILET CALCULATION (AS PER GROSS AREA)							
4TH FLOOR -OFFICE							
	GROSS AREA (SQ.M)		PERMANENT POPULATION (100%)		TOTAL PROVIDED	
TYPICAL FLOOR PLATE	1884.569		188			
TOTAL POPULATION	188		188			
			MALE (2/3)	FEMALE (1/3)	MALE	FEMALE
As per NBC	NO.		126	63		
	WC:1/25	WC:1/15	6	5	12	11
	4 for 100 and From 101 to 200 add @3%		5	0	5	
	WB:1/25	WB:1/25	6	3	12	11



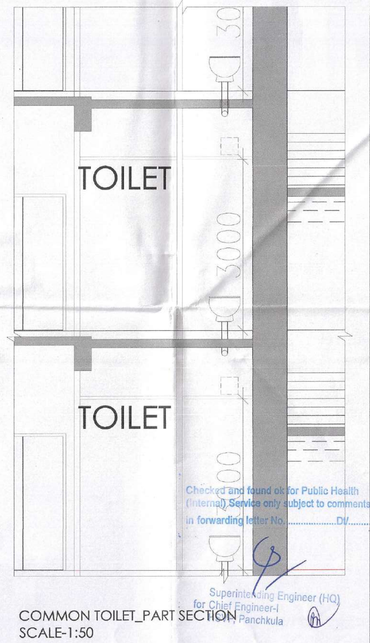
REFUGE AREA DIAGRAM
SCALE-1:175



FIRE TOWER
SCALE-1:50



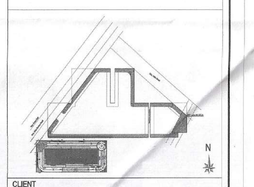
COMMON TOILET ALONG THE FIRE STAIRCASE
SCALE-1:50



COMMON TOILET_PART SECTION
SCALE-1:50

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

Superintending Engineer (HQ) for Chief Engineer-I Delhi Circle, Panchkula



CLIENT
PURI CONSTRUCTION PVT. LTD.
4/19, GROUND FLOOR, EDUSTRIP HOUSE, DESH BANDHU MARG, NEW DELHI-110020

PURI

STRUCTURES
Planning and Design Bureau
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Ph.: 011-29210981, 011-41436775
E-mail: pdbaor@gmail.com

MEP
AEON Integrate Building Consultants
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Ph.: 0120-4909526, 9871512027
E-mail: ashish.kochar@aeonconsultants.in

ARCHITECTS
Arcop Associates Pvt. Ltd.
Plot- 368, Sec-32, Gurgaon-122001
Ph.: 26242050, 2624269
Montreal, Toronto, New-Delhi, Boston

PROJECT
Building plan of commercial Colony measuring land under TOD policy on an area measuring 3.366 Acres (license no. 99) & 3.375 acres (license no. 98) of 2010 dated 19.11. 2010, in sector -111, Distt. Gurgaon being developed by M/s Naturevilla promoters Pvt. Ltd. in Collaboration with M/s Puri Constructions Pvt. Ltd.

ARCHITECT'S SIGNATURE

OWNER'S SIGNATURE

For Puri Construction Pvt. Ltd.
Authorised Signatory

DRAWING TITLE	DRAWING NO.
4TH FLOOR PLAN	DG-AR-107