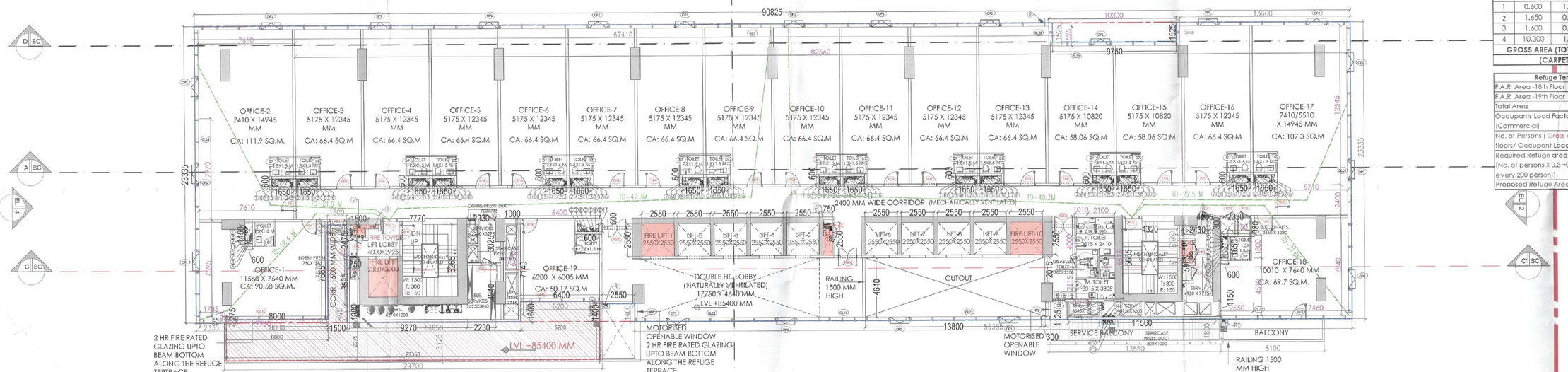


18TH FLOOR PLAN @LVL + 85400 MM
SCALE-1:150
NOTE: BUILDING IS MECHANICALLY VENTILATED & LIGHTED WITH 100 % POWER BACK-UP.

18TH FLOOR (CARPET AREA)					
S.NO.	WIDTH(M)	LENGTH(M)	COEFF.	NOS.	AREA (SqM)
ADDITIONS					
A	7.610	6.970	1	1	53.042
B	7.610	7.970	1	1	60.652
C	9.960	7.595	1	1	75.646
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)					1374.346
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	10.300	1.525	1	1	15.708
GROSS AREA (TOTAL SUBTRACTIONS)					33.378
(CARPET AREA)					1340.969

Refuge Terrace Calculation_18TH		
F.A.R Area - 18th Floor	1803.032	sq.m
F.A.R Area - 19th Floor	1820.781	sq.m
Total Area	3623.813	sq.m
Occupants Load Factor (Commercial)	10.000	sq.m/person
No. of Persons (Gross Area of floors/ Occupant Load)	362.381	
Required Refuge area per floor (No. of persons X 0.3 +0.9 (for every 200 persons))	110.514	
Proposed Refuge Area	110.903	

18TH 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	9.750	1.525	1	1	14.869
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	1.600	0.600	1	1	0.960
22	1.600	0.600	1	1	0.960
23	1.600	0.600	1	1	0.960
24	1.600	0.600	1	1	0.960
GROSS AREA (TOTAL SUBTRACTIONS)					316.369
GROSS 1 (NET F.A.R)					1803.032

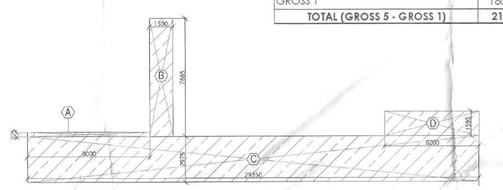
FIRE TOWER & ST. AREA CALCULATION- 18TH FLOOR					
S.NO.	WIDTH(M)	LENGTH(M)	COEFF.	NOS.	AREA (SqM)
FIRE TOWER					
3	1.500	2.475	1	1	3.713
5	7.770	6.265	1	1	48.679
STAIRCASE					
11	4.320	5.665	1	1	24.473
GROSS 2 (FIRE TOWER+STAIRCASE)					76.864

SERVICE AREA CALCULATION- 18TH 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- 18TH FLOOR	
GROSS 1	1803.032
GROSS 2	76.864
GROSS 3	30.696
GROSS 4	110.903
GROSS 5 (BUILT-UP AREA)	2021.495

NON- F.A.R AREA CALCULATION- 18TH FLOOR	
GROSS 5	2021.495
GROSS 1	1803.032
TOTAL (GROSS 5 - GROSS 1)	218.463



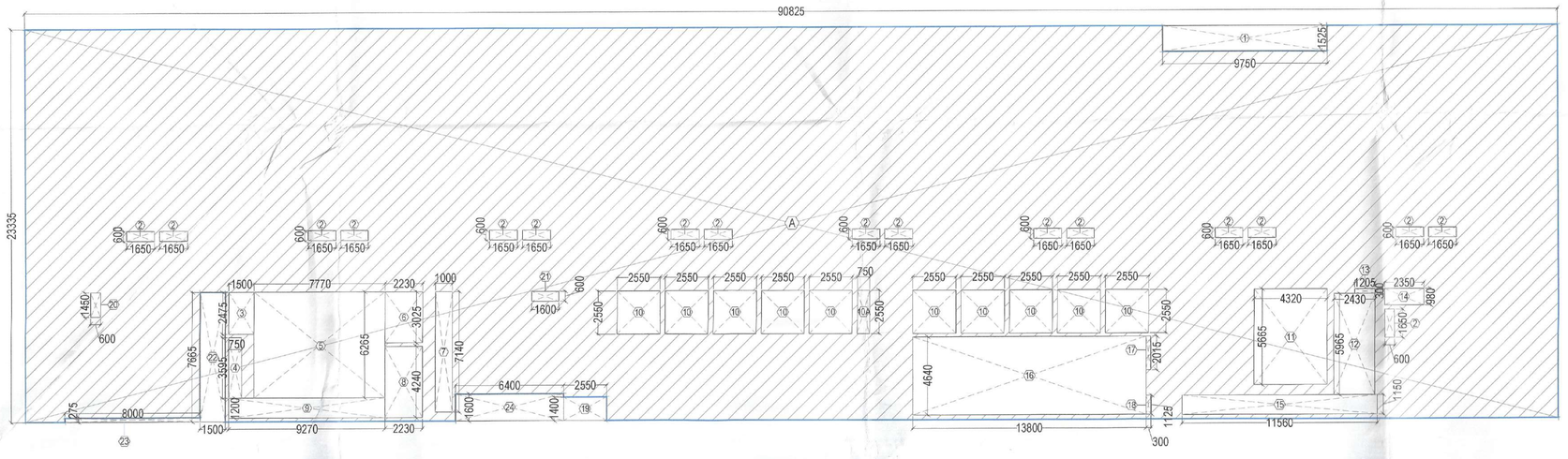
REFUGE AREA DIAGRAM
SCALE-1:175

DOOR/ WINDOW SCHEDULE (TOWER)						
S.NO.	TAGS	WIDTH	LINTEL	CILL	LOCATION	FIRE RATINGS
DOORS						
1	D1	2550	2400	0	EXTERNAL SERVICES	
2	D2	1500	2400	0	EXTERNAL SERVICES	
3	D3	1200	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	720	2400	0		
9	G0	1800	2400	0		
10	G01	1900	2400	0		
11	G02	1200	2400	0		
12	G03	1000	2400	0		
GLAZINGS						
1	GL1	90825	0	0		
2	GL2	84825	0	0		
3	GL3	67135	0	0		
4	GL4	56385	0	0		
5	GL5	45635	0	0		
6	GL6	42595	0	0		
7	GL7	34885	0	0		
8	GL8	32700	0	0		
9	GL9	32695	0	0		
10	GL10	30675	0	0		
11	GL11	30405	0	0		
12	GL12	30230	0	0		
13	GL13	23350	0	0		
14	GL14	24130	0	0		
15	GL15	24090	0	0		
16	GL16	23330	0	0		
17	GL17	23330	0	0		
18	GL18	21925	0	0		
19	GL19	20685	0	0		
20	GL20	14560	0	0		
21	GL21	14500	0	0		
22	GL22	14350	0	0		
23	GL23	13695	0	0		
24	GL24	13385	0	0		
25	GL25	11836	0	0		
26	GL26	10920	0	0		
27	GL27	10410	0	0		
28	GL28	10387	0	0		
29	GL29	10360	0	0		
30	GL30	10286	0	0		
31	GL31	10132	0	0	OFFICE-REFUGE FLOOR	2Hr
32	GL32	10133	0	0		
33	GL33	10000	0	0		
34	GL34	9600	0	0		
35	GL35	9435	0	0		
36	GL36	8615	0	0		
37	GL37	7916	0	0		
38	GL38	7891	0	0		
39	GL39	7804	0	0		
40	GL40	7835	0	0		
41	GL41	7768	0	0		
42	GL42	7697	0	0		
43	GL43	7521	0	0		
44	GL44	7500	0	0		
45	GL45	6000	0	0		
46	GL46	4461	0	0		
47	GL47	3116	0	0		
48	GL48	2900	0	0		
49	GL49	3537	0	0		
50	GL50	3900	0	0		
51	GL51	1800	0	0		
52	GL52	1565	0	0		
53	GL54	10287	0	0		
54	GL55	6090	0	0	OFFICE-REFUGE FLOOR	2Hr
FIRE DOORS AND WINDOW						
1	FD1	1800	2400	0	FIRE EXIT (GROUND FLOOR)	2hr
2	FD2	1200	2400	0	FIRE SCN DR	2Hrs
3	FD2'	1200	2400	750	V/M V SHAFT (O.T.)	2Hrs
4	FD3	1000	2400	375	V/M V SHAFT	2Hrs
5	FD4	1200	2400	0	OFFICE ENTRY	2Hrs
6	FD5	2000	2400	0	RESTAURANT, AUTA, GYM	2Hrs
5	FHD1	1100	2400	450	FHC	2Hrs
6	FHD	900	2100	450	FHC	2Hrs
7	FGD1	1500	2400	0	FIRE ENTRANCE LOBBY ALL FLOORS	2Hrs
GLAZING OPENING						
1	OP1	1612	2350	1200	ALL FLOORS	
MOTORIZED OPENABLE WINDOW						
1	MW 1	1400	2400	1200	DOUBLE HEIGHT LOBBY	
2	MW1	2525	2400	1200	DOUBLE HEIGHT LOBBY GROUND & FIRST FLOOR	

PLUMBING VERTICAL PIPES SCHEDULES:-		
1		100ø SOIL PIPE
2		100ø WASTE PIPE
3		75ø VENT PIPE
4		DOMESTIC WATER SUPPLY MAIN PIPE
5	ø	DOMESTIC WATER SUPPLY BRANCH PIPE
5A	ø	DOMESTIC WATER FOR TOP THREE FLOOR
6		FLUSHING WATER SUPPLY MAIN PIPE
7	ø	FLUSHING WATER SUPPLY BRANCH PIPE
8	ø	DOMESTIC WATER RISER TO OHT
9	ø	FLUSHING WATER RISER TO OHT
10	ø	SOFT WATER RISER TO OHT
11	ø	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	100ø 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

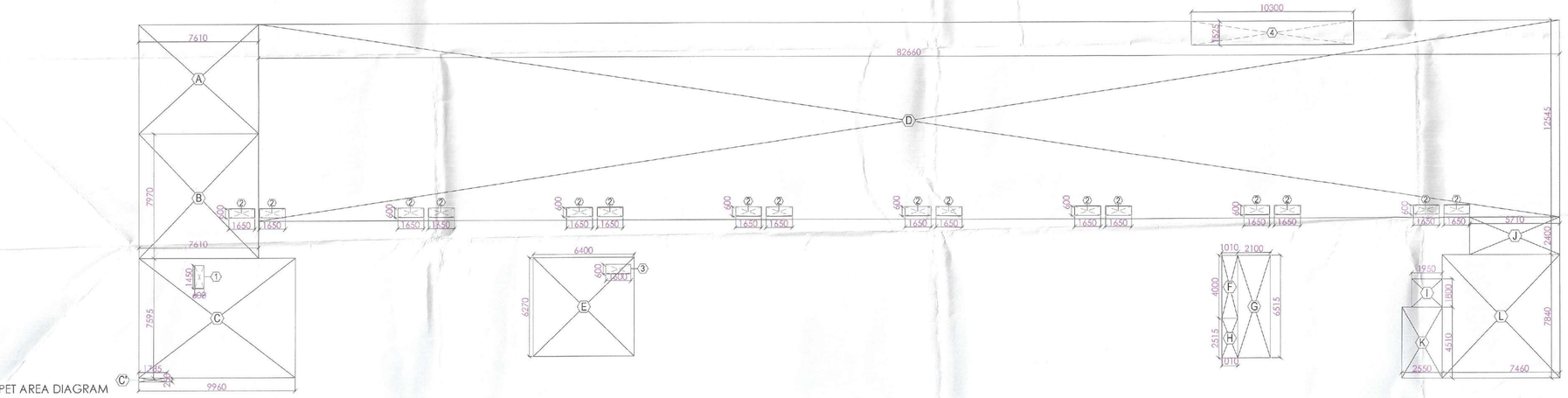
FIRE FIGHTING LEGEND :-		
S.NO.	SYMBOL	DESCRIPTION
(A)		150ø FIRE HYDRANT PIPE FOR (LOWER ZONE)
(B)		150ø FIRE HYDRANT PIPE FOR (MIDDLE ZONE)
(C)		150ø FIRE HYDRANT PIPE FOR (HIGH ZONE)
(D)		80ø FIRE SPRINKLER DRAIN PIPE
(E)		150ø FIRE SPRINKLER PIPE FOR (LOWER ZONE)
(F)		150ø FIRE SPRINKLER PIPE FOR (MIDDL ZONE)
(G)		150ø FIRE SPRINKLER PIPE FOR (HIGH ZONE)
(H)		150ø FIRE SPRINKLER STAND BY PIPE (LOWER ZONE)
(I)		150ø FIRE SPRINKLER STAND BY PIPE (MIDDL ZONE)
(J)		150ø FIRE SPRINKLER STAND BY PIPE (HIGH ZONE)
(K)		150ø FIRE WATER MAKE UP PIPE
(L)		150ø WATER CURTAIN PIPE



F.A.R DIAGRAM
SCALE-1:150

TOILET CALCULATION (AS PER GROSS AREA)						
18TH FLOOR -OFFICE						
	GROSS AREA (SQ.M)		PERMANENT POPULATION (100%)		TOTAL PROVIDED	
TYPICAL FLOOR PLATE	1946.990		195			
TOTAL POPULATION	195		195			
			MALE (2/3)	FEMALE (1/3)	MALE	FEMALE
As per NBC		NO.	130	65		
		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

STAIRCASE CALCULATION (AS PER GROSS AREA)				
18TH FLOOR				
	GROSS AREA (SQ.M)	POPOULATION	STAIRCASE WIDTH REQUIRED (MM)	STAIRCASE WIDTH PROPOSED (MM)
OFFICE SPACE @ 10 SQ.M PP	1946.99	194.70		
TOTAL POPULATION		195	1946.990	3000



CARPET AREA DIAGRAM
SCALE-1:150

COMMON TOILET_PART SECTION
SCALE-1:50

ADPO, (HQ) Member BPAC

FSO, (HD) Member BPAC

S.T.P.(HQ) Member Secretary B.P.A.C.

S.T.P.(G) Member B.P.A.C.

C.T.P. (HR) Chairman B.P.A.C.

DTP(HQ)

ATP(HQ)

DG-AR-118

AD

PA

ATP

Rajesh Dutt SD(HQ)

Sr. TO SE (REA) MEMO NO.: 2190 DATED: 16/06/2026

Checked and found ok for Pl... Health (Interior) Service only subje... comments in in forwarding letter No.

Superintending Engineer (HQ) for Chief Engineer HSVP, Panchkula

N

CLIENT

PURI CONSTRUCTION PVT. LTD.
4-B, GROUND FLOOR, SOUJANYA HOUSE, YASHO MARG, NEW DELHI-110001

PURI

STRUCTURES

Planning and Design Bureau
Mr. Sh. Gaurav Kanojia + 6
(Dsgn. Aryo Samaj Mandir)
New Delhi-110048
Ph.: 011-29210981, 011-41434775
Email: pdb.cad@gmail.com

MEP

AEON Integrate Building Consultants
A-122, 6th Floor, Sector 136, Noida-201305
Ph.: 0120-4909536, 9871512007
Email: delhi.noida@aeonassociates.in

ARCHITECTS

Arcop Associates Pvt. Ltd.
Plot-363, Sec-32, Gurgaon-122001
Ph.: 26242000, 26242169
Montreal, Toronto, New-Delhi, Boston

PROJECT

Building plan of Commercial Colony measuring land under TOD policy over an area measuring 3.356 Acres (license no. 99) & 3.375 acres (license no. 98) of 2010 dated 17.12.2010, in sector -111, Distt. Gurgaon being developed by M/s Natureville promoters Pvt. Ltd. in collaboration with M/s Puri Constructions Pvt. Ltd.

ARCHITECTS SIGNATURE

OWNERS SIGNATURE

For Puri Construction Pvt. Ltd.
Authorised Signatory

DRAWING TITLE	DRAWING NO.
18TH FLOOR PLAN	DG-AR-118