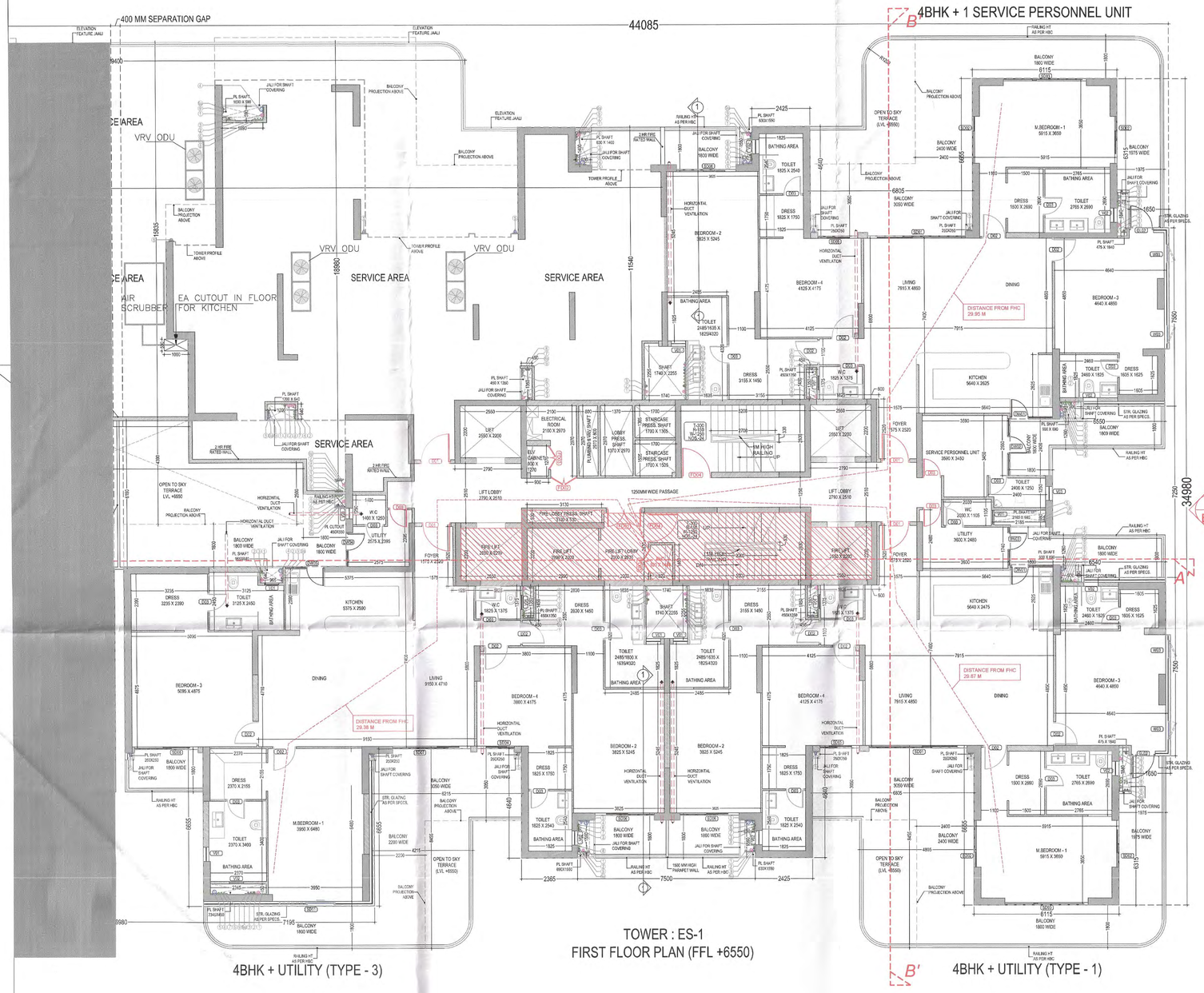
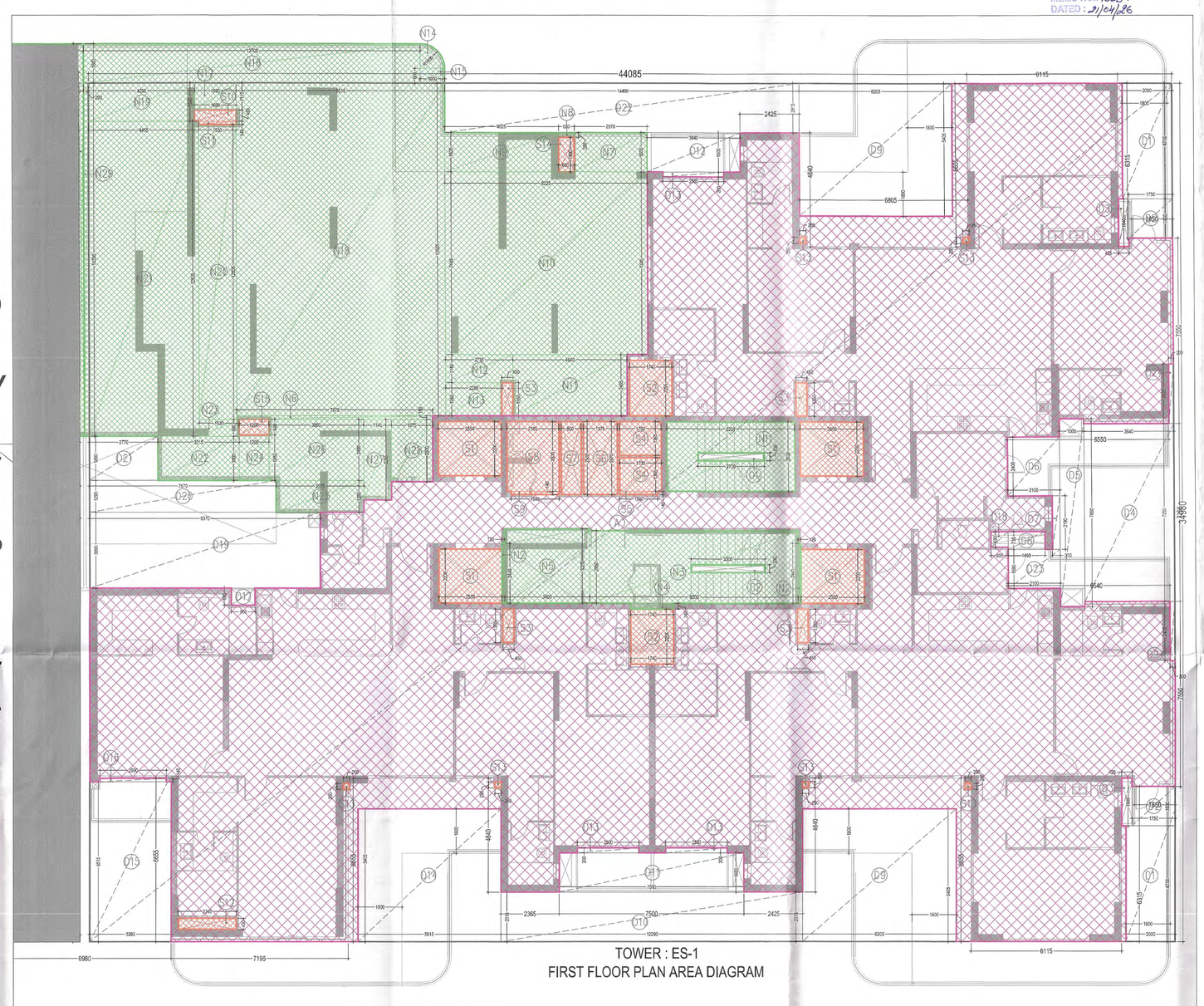
TOWER ES2



TOWER : ES-1
FIRST FLOOR PLAN (FFL +6550)

TOWER ES2



TOWER : ES-1
FIRST FLOOR PLAN AREA DIAGRAM

TO BE READ WITH THIS OFFICE MEMO NO.: 13350
DATED : 21/04/26

This is a "PROVISIONAL BUILDING PLAN" approved only for the purpose of inviting Objections from the general public

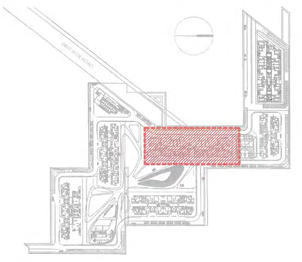
S.T.P.(HQ) Member Secretary B.P.A.C. | S.T.P.(G) Member B.P.A.C. | C.T.P.(HR) Chairman B.P.A.C.

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

AD | PA | ATP

Rajesh Dutt SD(HQ)

KEY PLAN



Note :-

1. BUILDING HAS AUTOMATIC SPRINKLER SYSTEM WHEREVER REQUIRED BY NBC.
2. BUILDING WILL BE DESIGNED (STRUCTURES) AS PER RELEVANT IS CODES FOR EARTH QUAKE RESISTANCE.
3. 100% POWER BACKUP/ MECHANICAL VENTILATED SHAFTS.
4. RAILING HEIGHT AS PER NBC.

PHASE – 1 ALREADY SANCTIONED VIDE DATES: 25.01.2023 AND MEMO NO.- 2350

PROJECT:

PROPOSED BUILDING PLANS OF PHASE–03 & REVISED BUILDING PLANS OF PHASE–02, & BASEMENTS FALLING UNDER PHASE–02 & 03 PART OF GROUP HOUSING COLONY (MIX–LAND USE 99% RESIDENTIAL COMPONENT & 1% COMMERCIAL COMPONENT) UNDER TOD POLICY OVER AN AREA MEASURING 15.99375 ACRES (LICENSE NO. 213 OF 2022 DATED: 27.12.2022) IN THE REVENUE ESTATE OF VILLAGE CHAUMA, SECTOR–111, GURUGRAM MANESAR

URBAN COMPLEX BEING DEVELOPED BY M/S METRO EDUCATION & WELFARE PVT. LTD.

OWNER

METRO EDUCATION AND WELFARE PVT. LTD

ARCHITECTS

STUDIO SYMBIOSIS

STUDIO SYMBIOSIS
India | Germany | UK
INDIA
D-78, Sector 48, Delhi- NCR
U.P. 201301, Noida
TEL: +91 0120 4226979
E-MAIL: info@studio-symbiosis.com
www.studio-symbiosis.com
GERMANY
Haldenhofenweg 38
71229 Stuttgart | Leonberg

SUBMISSION DRAWING

Checked and found ok for Public Health (Internal) Service only subject to comments in forwarding letter No. 53277 dated 30/4/26

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

OWNER'S SEAL & SIGNATURE

Metro Education & Welfare Pvt. Ltd.

Authorised Signatory

ARCHITECT'S SEAL & SIGNATURE

AMIT GUPTA Architect CA/2004/33147

DATE:-	SCALE :-	DRAWING NO:-
MAR 2026	1:100	CRN111-PH2-STS-ES1-F1-DR-AR-0103

DRAWING TITLE:-
TOWER : ES-1
1ST FLOOR PLAN & AREA DIAGRAM

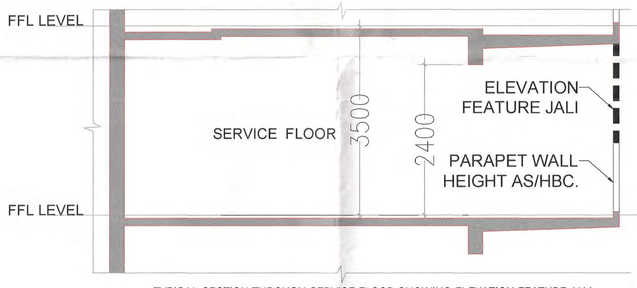
LEGEND:-

1. COLUMN / STRUCTURAL WALL	
2. NON STRUCTURAL WALL	

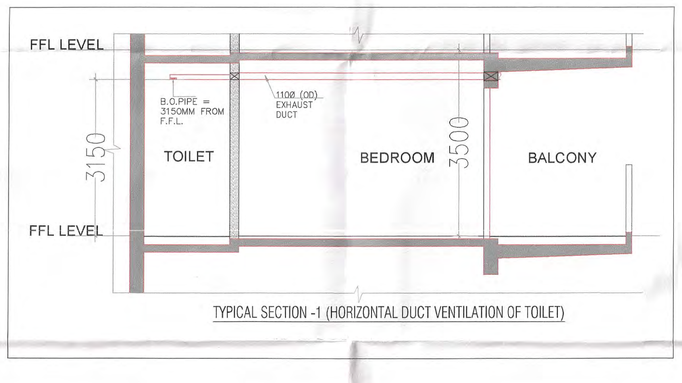
LEGEND:- PLUMBING

1		100Ø SOIL PIPE
2		100Ø WASTE PIPE
3		75Ø VENT PIPE
4		150Ø RAIN WATER PIPE FROM TERRACE
5		100Ø RAIN WATER PIPE FROM BALCONY
6		DOMESTIC WATER DOWN TAKE TOP 3-FLOOR HYDRO SUPPLY
7		DOMESTIC WATER DOWN TAKE (LEFT 25TH FLOOR TO 15TH FLOOR)
8		DOMESTIC WATER DOWN TAKE (LEFT 14 FLOOR TO GROUND/STILT FLOOR)
9		FLUSHING WATER DOWN TAKE (TOP 28TH FLOOR TO 16TH FLOOR)
10		FLUSHING WATER DOWN TAKE (LEFT 15TH FLOOR TO GROUND/STILT FLOOR)
11		DOMESTIC WATER RISER PIPE
12		FLUSHING WATER RISER PIPE

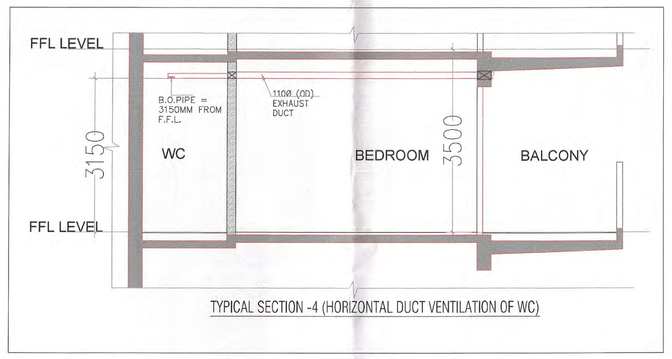
	PIPE SUPPORT
	W.C CISTERN
	HEALTH FAUCET
	GEYSER
	BUTTERFLY VALVE
	PIPE DROP
	FLOOR TRAP
	FLOOR DRAIN
	FLOOR TRAP CUTOUT 150X150MM
	WC CUTOUT 150X150MM
	HOT WATER SUPPLY PIPE
	KHURRA SIZE 450X450
SUNKEN FOR TOILET 100MM	
SUNKEN FOR BALCONY 75 MM	



TYPICAL SECTION THROUGH SERVICE FLOOR SHOWING ELEVATION FEATURE JALI



TYPICAL SECTION -1 (HORIZONTAL DUCT VENTILATION OF TOILET)



TYPICAL SECTION -4 (HORIZONTAL DUCT VENTILATION OF WC)

DOOR & WINDOW SCHEDULE

S.NO.	SYMBOL	SIZE	CILL LVL	LINTEL LVL	REMARKS
1	SD01	4105X2750	-	2750	UPVC/SD
2	SD02	1985X2750	-	2750	UPVC/SD
3	SD03	3515X2750	-	2750	UPVC/SD
4	SD04	1515X2750	-	2750	UPVC/SD
5	SD05	1700X2750	-	2750	UPVC/SD
6	SD06	2500X2750	-	2750	UPVC/SD
7	SD07	3340X2750	-	2750	UPVC/SD
8	SD08	2690X2750	-	2750	UPVC/SD
9	SD09	4230X2750	-	2750	UPVC/SD
10	SD10	1715X2750	-	2750	UPVC/SD
11	SD11	2350X2750	-	2750	UPVC/SD
12	GL01	1500X2750	-	2750	GLASS DOOR
13	GL02	1000X2750	-	2750	GLASS DOOR
14	GL03	2000X2750	-	2750	GLASS DOOR
15	FD01	1500X2430	-	2430	TWO HOUR FIRE RATED DOOR
16	FD01A	1500X2750	-	2750	TWO HOUR FIRE RATED DOOR
17	FD02	1200X2650	100	2750	TWO HOUR FIRE RATED DOOR
18	FD03	1000X2330	100	2430	TWO HOUR FIRE RATED DOOR
19	FD04	1250X2430	-	2430	TWO HOUR FIRE RATED DOOR
20	FD04A	1250X2750	-	2750	TWO HOUR FIRE RATED DOOR
21	FD05	900X2750	-	2750	TWO HOUR FIRE RATED DOOR
22	FD06	2000X2750	-	2750	TWO HOUR FIRE RATED DOOR
23	D01	1200X2750	-	2750	ONE HOUR FIRE RATED DOOR
24	D02	1000x2430	-	2430	WD/FLUSH DOOR
25	D03	800X2430	-	2430	WD/FLUSH DOOR
26	D04	800X2430	-	2430	ONE HOUR FIRE RATED DOOR
27	D04A	800X2750	-	2750	WD/FLUSH DOOR
28	D05	1000X2750	-	2750	WD/FLUSH DOOR
29	D05A	1050X2750	-	2750	WD/FLUSH DOOR
30	D06	1250X2750	-	2750	WD/FLUSH DOOR
31	D07	815X2250	-	2250	WD/FLUSH DOOR
31	V01	600X1200	1050	2250	UPVC
32	V02	600X1200	600	2250	UPVC
33	V03	500X1200	1050	2250	UPVC
34	DW01	800/1000 (1800)	0/1050	2750	UPVC/OP
35	DW02	800/1750 (2550)	0/1050	2750	UPVC/OP
36	DW03	800/915 (1615)	0/1050	2750	UPVC/OP
37	DW04	800/640 (1440)	0/1050	2750	UPVC/OP
38	DW05	800/850 (1650)	0/1050	2750	UPVC/OP
39	DW06	800/1185 (1985)	0/1050	2750	UPVC/OP
40	W01	815X1200	1050	2250	UPVC/OP
41	W02	1000X1200	1050	2250	UPVC/OP
42	W03	750X1200	1050	2250	UPVC/OP

REMARKS: WD/FD = WOODEN FLUSH DOOR; UPVC/SD = UPVC/ SLIDING; UPVC/OP = UPVC/ OPENABLE

LEGEND FOR SERVICE FL

NON FAR AREA
SHAFT AREA UNDER DEDUCTION
FAR AREA
BALCONY PROJECTION
TOWER PROFILE

FAR AREA OF TOWER- ES1 / ES3

AT FIRST FLOOR LEVEL

TAG	LENGTH (L) in Mts	WIDTH (W) in Mts	NO.S (N)	AREA (L x W x N) in sq.m
A	44.085	34.98	1	1542.093
TOTAL (A)				**1542.093**

DEDUCTIONS

TAG	LENGTH (L) in Mts	WIDTH (W) in Mts	NO.S (N)	AREA (L x W x N) in sq.m
D1	2.000	4.715	2	18.860
D2	1.750	1.600	2	5.600
D3	0.425	1.940	2	1.649
D4	3.640	7.250	1	26.390
D5	1.000	7.650	1	7.650
D6	2.100	2.400	1	5.040
D7	0.310	2.180	1	0.676
D8	1.490	0.730	1	1.088
D9	6.005	5.405	2	64.914
D10	12.690	1.815	1	23.032
D11	6.080	1.600	1	10.944
D12	3.160	1.600	1	5.056
D13	2.500	0.200	3	1.500
D14	5.615	5.405	1	30.349
D15	3.140	6.515	1	20.457
D16	2.690	0.140	1	0.377
D17	0.965	0.690	1	0.666
D18	0.695	0.630	1	0.438
D19	9.370	3.095	1	29.000
D20	7.570	1.295	1	9.803
D21	2.770	1.800	1	4.986
D22	3.305	1.815	1	5.999
D23	3.160	2.015	1	6.367
D24	8.225	2.015	1	16.573
D25	2.100	1.590	1	3.339
TOTAL (D)				**300.753**

LIFT & SERVICES SHAFTS

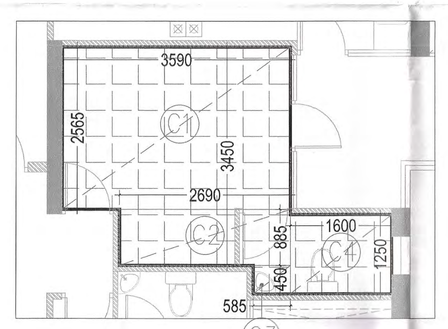
TAG	LENGTH (L) in Mts	WIDTH (W) in Mts	NO.S (N)	AREA (L x W x N) in sq.m
S1	2.550	2.200	4	22.440
S2	1.740	2.255	2	7.847
S3	0.450	1.350	4	2.430
S4	1.700	1.365	2	4.641
S5	1.540	0.140	1	0.216
S6	1.370	2.970	1	4.069
S7	0.800	2.970	1	2.376
S8	2.100	2.830	1	5.943
S9	1.940	0.140	1	0.272
S10	1.690	0.450	1	0.761
S11	1.530	0.140	1	0.214
S12	2.345	0.450	1	1.055
S13	0.250	0.250	6	0.375
S14	0.630	1.400	1	0.882
S15	1.200	0.640	1	0.768
S16	0.540	1.600	1	0.864
S17	0.480	1.600	2	1.536
TOTAL (S)				**56.688**

FIRE STAIRCASE & NON FAR AREA

TAG	LENGTH (L) in Mts	WIDTH (W) in Mts	NO.S (N)	AREA (L x W x N) in sq.m
N1	5.200	2.830	1	14.716
N2	2.440	0.120	2	0.586
N3	8.500	2.950	1	25.075
N4	1.740	0.240	1	0.418
N5	3.450	3.020	1	10.419
N6	7.975	0.150	1	1.196
N7	2.970	1.600	1	4.752
N8	0.630	0.200	1	0.126
N9	4.625	1.600	1	7.400
N10	8.225	7.445	1	61.235
N11	4.640	2.495	1	11.577
N12	2.735	1.145	1	3.132
N13	2.285	1.350	1	3.085
N17	1.690	1.140	1	1.927
N18	8.515	13.555	1	115.421
N19	4.295	1.560	1	6.700
N20	1.530	12.005	1	18.368
N21	4.455	12.835	1	57.180
N22	3.315	1.800	1	5.967
N23	1.630	0.690	1	1.125
N24	1.200	1.850	1	2.220
N25	3.575	1.295	1	4.630
N26	3.860	2.490	1	9.611
N27	1.140	3.285	1	3.745
N28	1.675	2.530	1	4.238
TOTAL (N)				**374.846**

FIRE STAIRCASE WELL

O1	2.700	0.330	1	0.891
O2	3.000	0.330	1	0.990
TOTAL (W)				**1.881**
N14	1/4 X(3.14 X 1.00 X 1.00)		1	0.785
N15	1.000	0.600	1	0.600
N16	13.700	1.600	1	21.920
N29	0.200	14.395	1	2.879
TOTAL NON FAR AREA (NF) = (N - W + N14 + N15 + N16 + N29)				**399.149**
TOTAL NON FAR AREA FOR SERVICES (N - N1-N2-N3-N4-N5) + N14 + N15 + N16 + N29)				**349.817**
TOTAL FAR AREA (F) = (A - D - S - N)				**809.806**
TOTAL COVERED AREA = (F + NF)				**1208.955**



SERVICE PERSONNEL UNIT CARPET AREA DIAGRAM

CARPET AREA - SERVICE PERSONNEL UNIT

TYPICAL FLOOR

TAG	LENGTH (L) in Mts	WIDTH (W) in Mts	NO.S (N)	AREA (L x W x N) in sqm.
C1	3.590	2.565	1	9.208
C2	2.690	0.885	1	2.381
C3	0.585	0.450	1	0.263
C4	1.600	1.250	1	2.000
TOTAL (D)				**13.85**

SUMMARY OF MECHANICAL VENTILATION

S/N	Floor	Area SFT	Effective HT FT	Volume CFT	Air Change Per Hour	Calculated CFM	Installed CFM	Application	Nos. of Fan & Fan Capacity CFM	Type of Fan	Remark	Static Pressure (mm) Indicative	No. of Point	Kw of Each Point	Phase	Total Kw in Normal Mode	Total Kw Extra in Fire Mode	Local Source of Power	Location of Local Source	Supply to Local Source
A	**GENERAL VENTILATION**																			
	TYPICAL FLOOR																			
1	Toilet for Living & Dining	27	9.0	243	10	41	100	Exhaust	100 CFM	Inline Fan	Normal Mode	8	1	0.15	1PH	0.15	0.00	MCB	Near Fan	By Others
2	Toilet for Bedroom-2	93	9.0	837	10	140	150	Exhaust	150 CFM	Inline Fan	Normal Mode	8	1	0.20	1PH	0.20	0.00	MCB	Near Fan	By Others