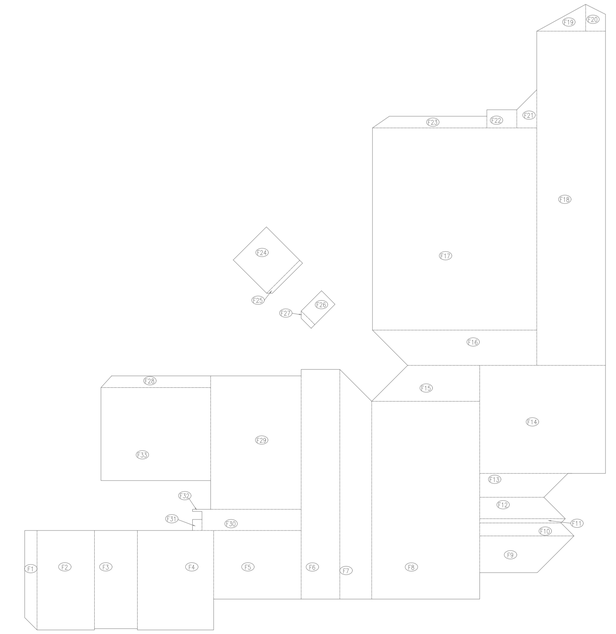
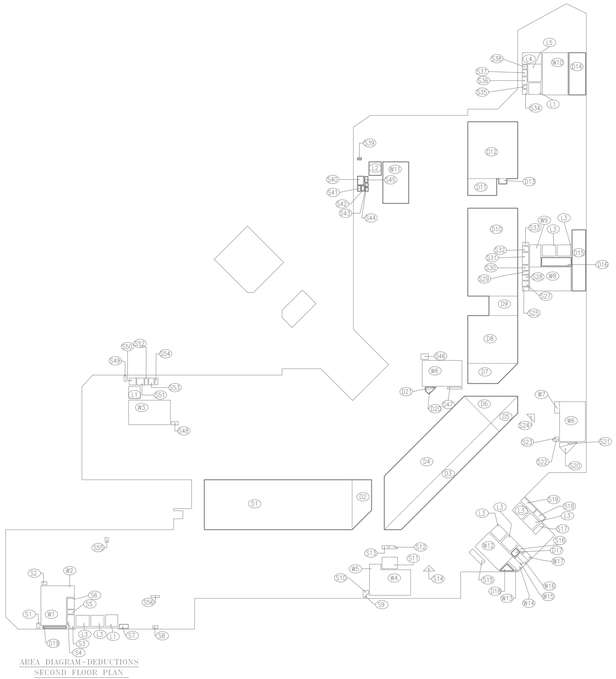


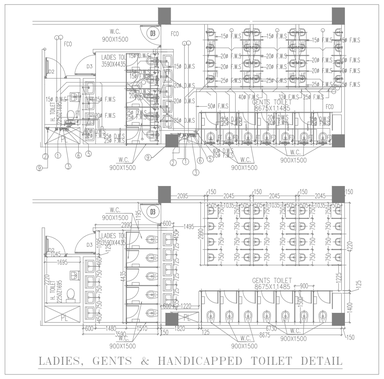
AREA DIAGRAM-ENVELOPE
SECOND FLOOR PLAN



AREA DIAGRAM-DEDUCTIONS
SECOND FLOOR PLAN

(NON FAR AREA) (B)									
L1	2.350	X	2.250	X	3			=	15.86
L2	2.350	X	2.600	X	1			=	6.11
L3	2.550	X	2.150	X	8			=	43.86
L4	3.670	X	2.200	X	1			=	8.07
L5	2.600	X	3.350	X	1			=	8.71
W1	4.900	X	7.600	X	1			=	37.24
W2	1.550	X	2.195	X	1			=	3.40
W3	8.050	X	4.680	X	1			=	37.67
W4	7.900	X	4.900	X	1			=	38.71
W5	2.200	X	1.070	X	1			=	2.35
W6	7.650	X	4.950	X	2			=	75.74
W7	0.950	X	2.200	X	1			=	2.09
W8	7.950	X	4.600	X	1			=	36.57
W9	2.150	X	4.280	X	1			=	9.20
W10	4.900	X	8.130	X	1			=	39.84
W11	4.955	X	7.990	X	1			=	39.59
W12	3.800	X	6.500	X	1			=	24.70
W13	2.295	+	2.635	X	0.5	X	0.340	=	0.84
W14	1.260	X	2.635	X	1			=	3.32
W15	0.600	X	1.700	X	1			=	1.02
W16	0.930	X	2.100	X	1			=	1.95
W17	0.950	X	1.635	X	1			=	1.55
S1	0.600	X	1.000	X	1			=	0.60
S2	0.965	X	0.600	X	1			=	0.58
S3	0.600	X	0.950	X	1			=	0.57
S4	1.350	X	1.960	X	1			=	2.65
S5	1.350	X	0.815	X	1			=	1.10
S6	1.350	X	2.050	X	1			=	2.77
S7	1.700	X	0.785	X	1			=	1.33
S8	1.000	X	0.500	X	1			=	0.50
S9	0.600	X	0.600	X	1			=	0.36
S10	1.000	X	0.750	X	1			=	0.75
S11	3.000	X	2.200	X	1			=	6.60
S12	1.655	+	1.055	X	0.5	X	0.600	=	0.81
S13	1.200	X	0.600	X	1			=	0.72
S14	1.535	X	1.535	X	0.5			=	1.18
S15	1.000	X	3.385	X	1			=	3.39
S16	1.500	X	0.750	X	1			=	1.13
S17	2.330	X	0.800	X	1			=	1.86
S18	2.200	X	1.000	X	1			=	2.20
S19	3.300	X	1.000	X	1			=	3.30
S20	3.050	X	1.780	X	0.5			=	2.71
S21	3.415	X	0.900	X	0.5			=	1.54
S22	1.225	+	0.900	X	0.5	X	0.325	=	0.35
S23	1.225	+	0.700	X	0.5	X	0.525	=	0.51
S24	1.530	X	1.530	X	0.5			=	1.17
S25	1.210	X	0.750	X	1			=	0.91
S27	1.210	X	1.000	X	1			=	1.21
S28	1.210	X	1.000	X	1			=	1.21
S29	1.210	X	0.600	X	1			=	0.73
S30	1.210	X	1.000	X	1			=	1.21
S31	1.210	X	2.295	X	1			=	2.78
S32	1.210	X	1.000	X	1			=	1.21
S33	1.110	X	0.600	X	1			=	0.67
S34	0.920	X	1.000	X	1			=	0.92
S35	0.920	X	0.750	X	1			=	0.69
S36	0.920	X	1.500	X	1			=	1.38
S37	0.920	X	1.200	X	1			=	1.10
S38	0.920	X	0.780	X	1			=	0.72
S39	0.725	X	0.350	X	1			=	0.25
S40	1.210	X	1.660	X	1			=	2.01
S41	0.615	X	1.050	X	1			=	0.65
S42	0.525	X	1.050	X	1			=	0.55
S43	0.620	X	0.700	X	1			=	0.43
S44	0.620	X	0.660	X	1			=	0.41
S45	0.620	X	1.100	X	1			=	0.68
S46	1.445	X	1.060	X	1			=	1.53
S47	2.850	X	0.350	X	1			=	1.00
S48	1.300	X	0.625	X	1			=	0.81
S49	0.400	X	1.070	X	1			=	0.43
S50	1.300	X	1.200	X	1			=	1.56
S51	1.390	X	1.200	X	1			=	1.67
S52	0.600	X	1.200	X	1			=	0.72
S53	1.000	X	1.200	X	1			=	1.20
S54	0.600	X	1.200	X	1			=	0.72
S55	0.625	X	0.900	X	1			=	0.56
S56	1.630	X	0.400	X	1			=	0.65
TOTAL NON FAR AREA = (B)									507.64
TOTAL FAR AREA AT SECOND FLOOR (F) = (A - B)									5043.76
TOTAL CARPET AREA AT SECOND FLOOR									3560.570

SECOND FLOOR AREA CALCULATION									
TOTAL COVERED AREA AT SECOND FLOOR (A) = ENVELOPE AREA (E) - DEDUCTION AREA (D)									
ENVELOPE AREA (E)									
S.No.	Length		Breadth		Nos		Height		Area (SQM)
F1	16.745	+	19.110	X	0.5	X	2.380	=	42.67
F2	11.035	X	19.110	X	1			=	210.88
F3	8.250	X	18.880	X	1			=	155.76
F4	14.650	X	19.110	X	1			=	279.96
F5	16.820	X	13.200	X	1			=	222.02
F6	7.435	X	44.140	X	1			=	328.18
F7	38.015	+	44.140	X	0.5	X	6.125	=	251.60
F8	20.760	X	38.015	X	1			=	789.19
F9	11.065	+	18.115	X	0.5	X	7.050	=	102.86
F10	15.620	+	18.115	X	0.5	X	2.500	=	42.17
F11	15.620	+	16.430	X	0.5	X	0.815	=	13.06
F12	12.330	+	16.430	X	0.5	X	4.100	=	58.96
F13	12.330	+	16.935	X	0.5	X	4.605	=	67.38
F14	24.165	X	20.755	X	1			=	501.54
F15	20.760	+	13.850	X	0.5	X	6.910	=	119.58
F16	24.815	+	31.590	X	0.5	X	6.775	=	191.07
F17	31.590	X	38.850	X	1			=	1227.27
F18	13.200	X	64.215	X	1			=	847.64
F19	9.400	X	5.140	X	0.5			=	24.16
F20	3.240	+	5.140	X	0.5	X	3.800	=	15.92
F21	7.330	+	3.485	X	0.5	X	3.845	=	20.79
F22	5.755	X	3.485	X	1			=	20.06
F23	21.990	+	18.740	X	0.5	X	2.240	=	45.62
F24	9.000	X	9.070	X	1			=	81.63
F25	9.000	+	8.210	X	0.5	X	0.790	=	6.80
F26	5.505	X	3.695	X	1			=	20.34
F27	3.695	+	2.695	X	0.5	X	1.000	=	3.20
F28	19.030	+	21.085	X	0.5	X	2.235	=	44.83
F29	17.400	X	25.650	X	1			=	446.31
F30	19.060	X	4.050	X	1			=	77.19
F31	1.815	X	2.100	X	1			=	3.81
F32	1.815	X	0.400	X	1			=	0.73
F33	21.085	X	17.865	X	1			=	376.68
TOTAL ENVELOPE AREA (E)									6639.86
DEDUCTION AREA (D)									
D1	28.390	X	9.600	X	1			=	272.54
D2	9.600	+	5.860	X	0.5	X	3.740	=	28.91
D3	26.670	+	28.985	X	0.5	X	2.315	=	64.42
D4	28.985	+	21.700	X	0.5	X	7.285	=	184.62
D5	7.285	+	4.970	X	0.5	X	2.315	=	14.19
D6	7.285	X	7.285	X	0.5			=	26.54
D7	5.755	+	9.600	X	0.5	X	3.845	=	29.52
D8	9.600	X	9.205	X	1			=	88.37
D9	5.550	X	3.750	X	1			=	20.81
D10	9.600	X	16.885	X	1			=	162.10
D11	5.550	X	3.245	X	1			=	18.01
D12	9.600	X	10.910	X	1			=	104.74
D13	1.550	X	1.025	X	1			=	1.59
D14	3.205	X	8.130	X	1			=	26.06
D15	2.615	X	11.745	X	1			=	30.71
D16	5.700	X	1.600	X	1			=	9.12
D17	1.035	X	1.330	X	1			=	1.38
D18	1.895	X	1.895	X	0.5			=	1.80
D19	4.500	X	0.320	X	1			=	1.44
D20	1.890	X	1.010	X	0.5			=	0.95
D21	2.050	X	0.625	X	0.5			=	0.64
TOTAL DEDUCTION AREA (D)									1088.46
TOTAL COVERED AREA AT SECOND FLOOR (A) = (E-D)									5551.40



LADIES, GENTS & HANDICAPPED TOILET DETAIL

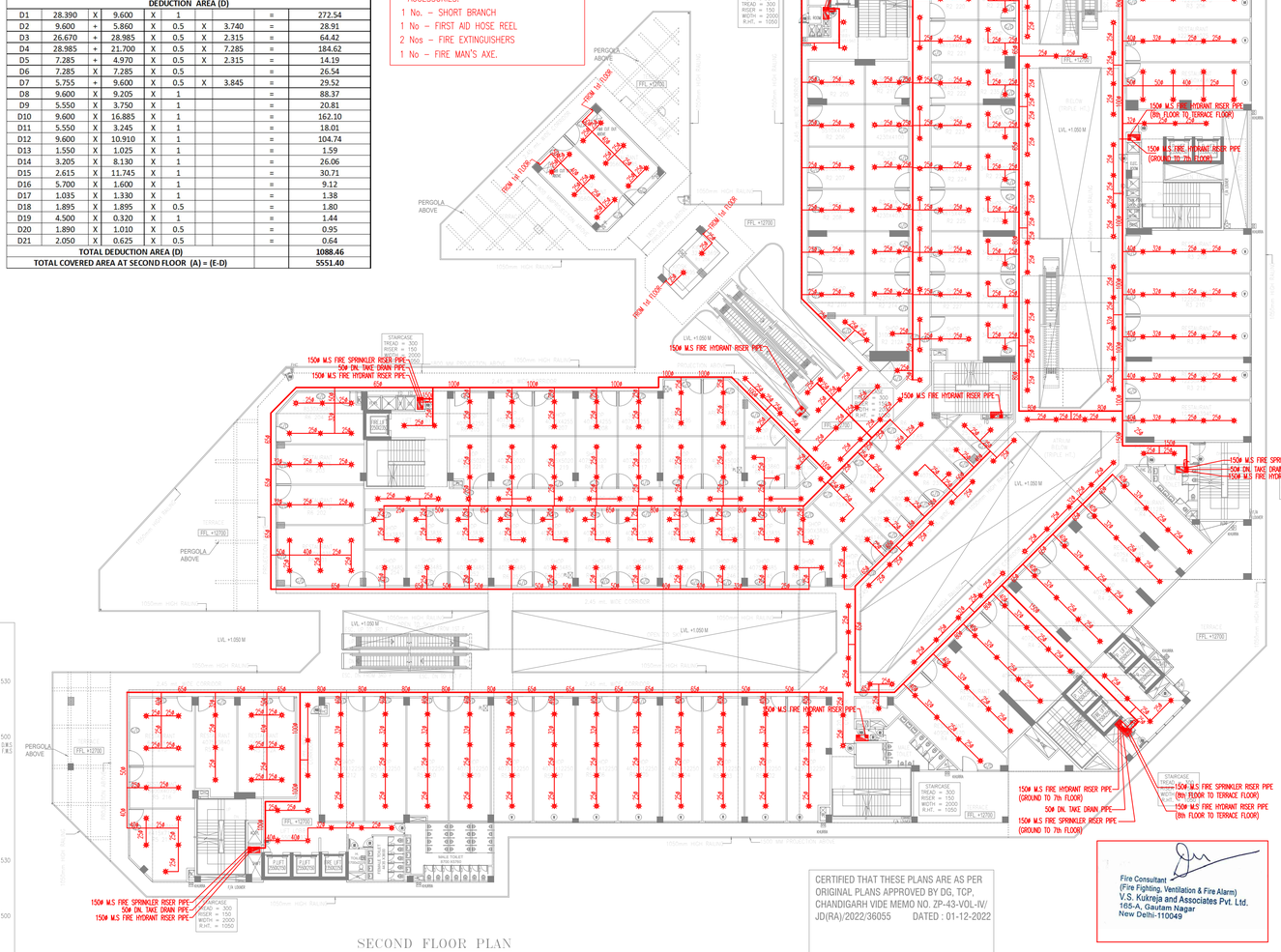
LEGEND:-

FHC	FIRE HOSE CABINET
	PENDENT TYPE SPRINKLER
	9 Ltr. WATER GAS PRESSURE TYPE FIRE EXTINGUISHER
	4.5 kg CO_2 TYPE FIRE EXTINGUISHER
	BUTTER FLY VALVE
	FLOW INDICATING SWITCH

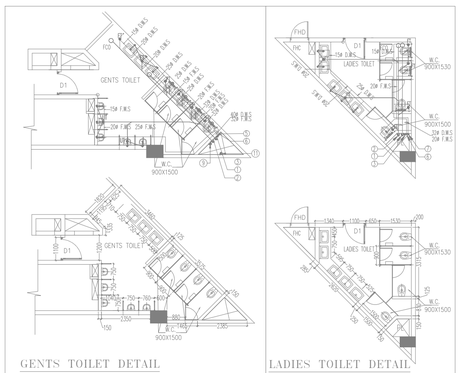
NOTE-

EACH FIRE HOSE CABINET SHALL CONSIST OF

1 No. - GUNMETAL SINGLE HEADED HYDRANT
2 Nos. - FIRE HOSES 63mm 15M LONG WITH ACCESSORIES.
1 No. - SHORT BRANCH
1 No - FIRST AID HOSE REEL
2 Nos - FIRE EXTINGUISHERS
1 No - FIRE MAN'S AXE.



SECOND FLOOR PLAN
LVL. + 12.70 M



GENTS TOILET DETAIL

LADIES TOILET DETAIL

CERTIFIED THAT THESE PLANS ARE AS PER ORIGINAL PLANS APPROVED BY DG, TCP, CHANDIGARH VIDE MEMO NO. ZP-43-VOL-IV/ JD(RA)/2022/36055 DATED : 01-12-2022

OWNER SIG. ARCHITECT SIG.

Fire Consultant
(Fire Fighting, Ventilation & Fire Alarm)
V.S. Kukreja and Associates Pvt. Ltd.
165-A, Gautam Nagar
New Delhi-110049

SECOND FLOOR TOILET CALCULATION								
TOTAL FAR AREA AT SECOND FLOOR							5043.760	SQMT
TOTAL FAR IN ASSEMBLY AREA		1539.45 sq.mt.		POPULATION @ 1.8			855.250	
TOTAL FAR IN MERCANTILE		3504.310 sq.mt.		POPULATION @ 6			584.052	
DENESITY AT SECOND FLOOR							1439	POPULATION
NO.	PERMANENT POPULATION		FLOATING POPULATION		TOTAL REQUIRED		TOTAL PROVIDED	
	10%	143.93	90%	1295.37				
	MALE (2/3)	FEMALE (1/3)	MALE (2/3)	FEMALE (1/3)	MALE	FEMALE	MALE	FEMALE
POPULATION	96	48	864	432	_	_	_	_
W.C.	3.84	3.20	3.45	2.70	7	6	11	9
URINAL	3.20	_	17.27	_	20	_	29	
WASH BASIN	3.84	1.92	3.45	3.08	7	5	9	8

Staircase Calculation For Second Floor							
Total floor area					5043.76		sqm
Assembly area					1539.45		sqm
Mercantile area					3504.31		sqm
Floors	Average occupant load as per NBC		No. of occupant	As per NBC (@ 10mm/ Person)	Stair case Required	Total Stair required	Stair case Provided
Assembly area	1539.45	1.8	855.25	10	8552.50	14393.02	7 X 2000 = 14000 MM 1 X 1500 = 1500 MM
Mercantile area	3504.31	6	584.05	10	5840.52		
TOTAL							15500

LEGEND FOR PLUMBING	
1	110 OD SWR uPVC SOIL & VENT PIPE
2	160 OD SWR uPVC SOIL & VENT PIPE
3	110 OD SWR uPVC WASTE & VENT PIPE
4	160 OD SWR uPVC WASTE & VENT PIPE
5	75 OD VENT PIPE
6	160 OD SWR uPVC KITCHEN WASTE & VENT PIPE
7	DOMESTIC WATER SUPPLY RISER PIPE
8	FLUSHING WATER SUPPLY DN. TAKE PIPE
9	DOMESTIC WATER SUPPLY DN. TAKE PIPE
10	FLUSHING WATER SUPPLY RISER PIPE
11	160 OD uPVC RAIN WATER PIPE
12	110 OD uPVC BALCONY DRAIN PIPE
13	SOFT WATER SUPPLY RISER PIPE
14	200 OD uPVC RAIN WATER PIPE

SCHEDULE OF OPENINGS				
TYPE	WIDTH	HEIGHT	SILL HT.	LINTEL
D1	750	2100	-	2100
D2	1000	2100	-	2100
D3	1200	2100	-	2100
D4	1500	2100	-	2100
D5	2000	2100	-	2100
D6	1050	2100	-	2100
D7	1350	2100	-	2100
FD2	2200	2100	-	2100
FD1	1650	2100	-	2100
FD22	1200	2100	-	2100
G/D	ASPLAN/1050	2100	-	2100
GL	AS/PLAN	2100	-	2100
V1	600	900	1200	2100
W1	1050	1200	900	3370

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 .

OWNER'S SIGN ARCHITECT'S SIGN

PROJECT:-
PROPOSED BUILDING PLANS OF COMMERCIAL PLOT OF AREA MEASURING 3.16 ACRES IN BLOCK-A (UNDER TOD POLICY) OF RESIDENTIAL PLOTTED COLONY NAMELY SHUSHANT LOK-III IN SECTOR - 57,GURUGRAM MANESAR URBAN COMPLEX,BEING DEVELOPED BY, M/s. PARYAPT INFRASTRUCTURE PVT. LTD.

TITLE:- SECOND FLOOR PLAN & AREA DETAIL
FIRE FIGHTING LAYOUT
DRG.NO.:- SB--FF--07

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SCALE:- 1:200
DATE:- 04/11/2022

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