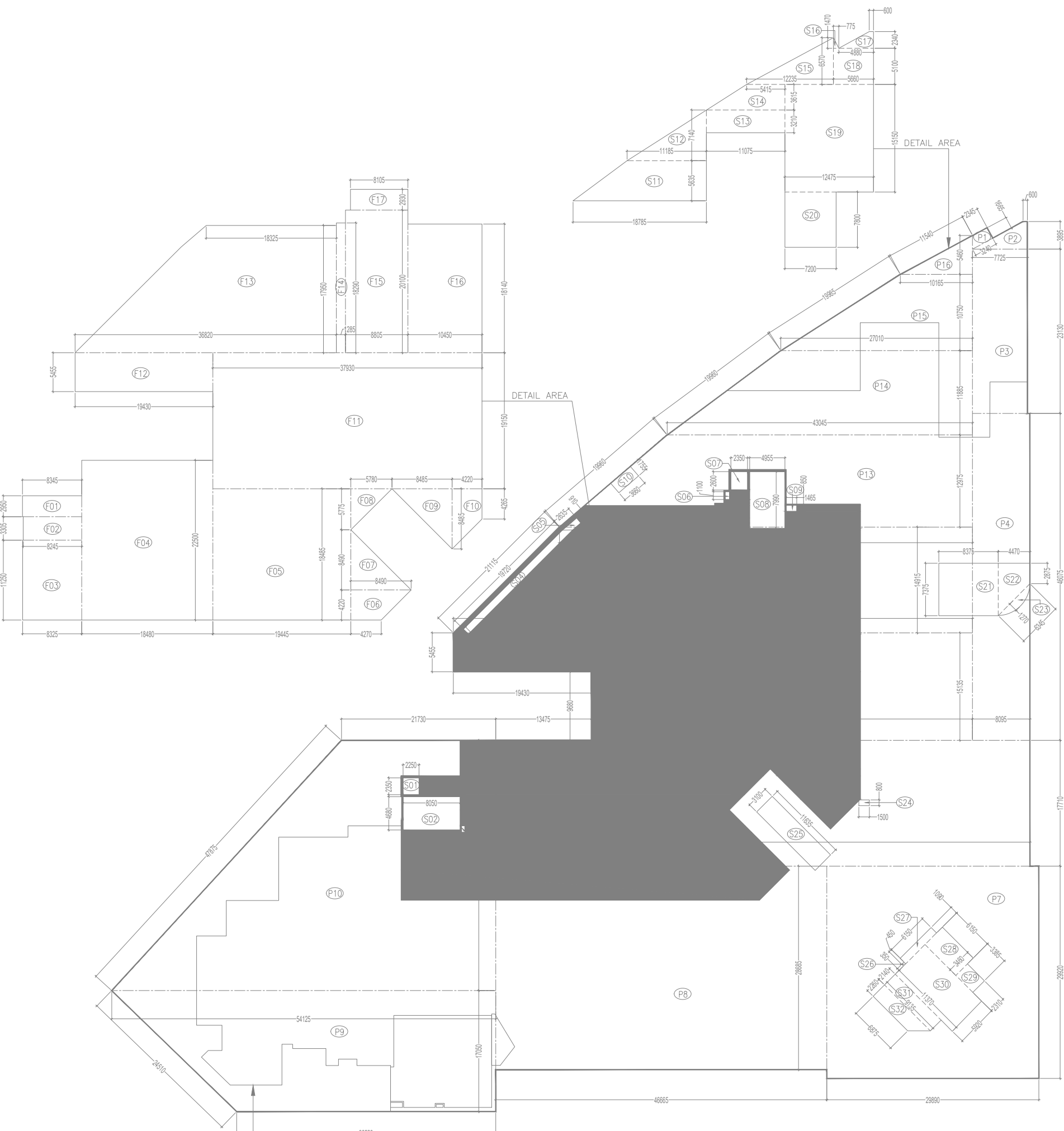
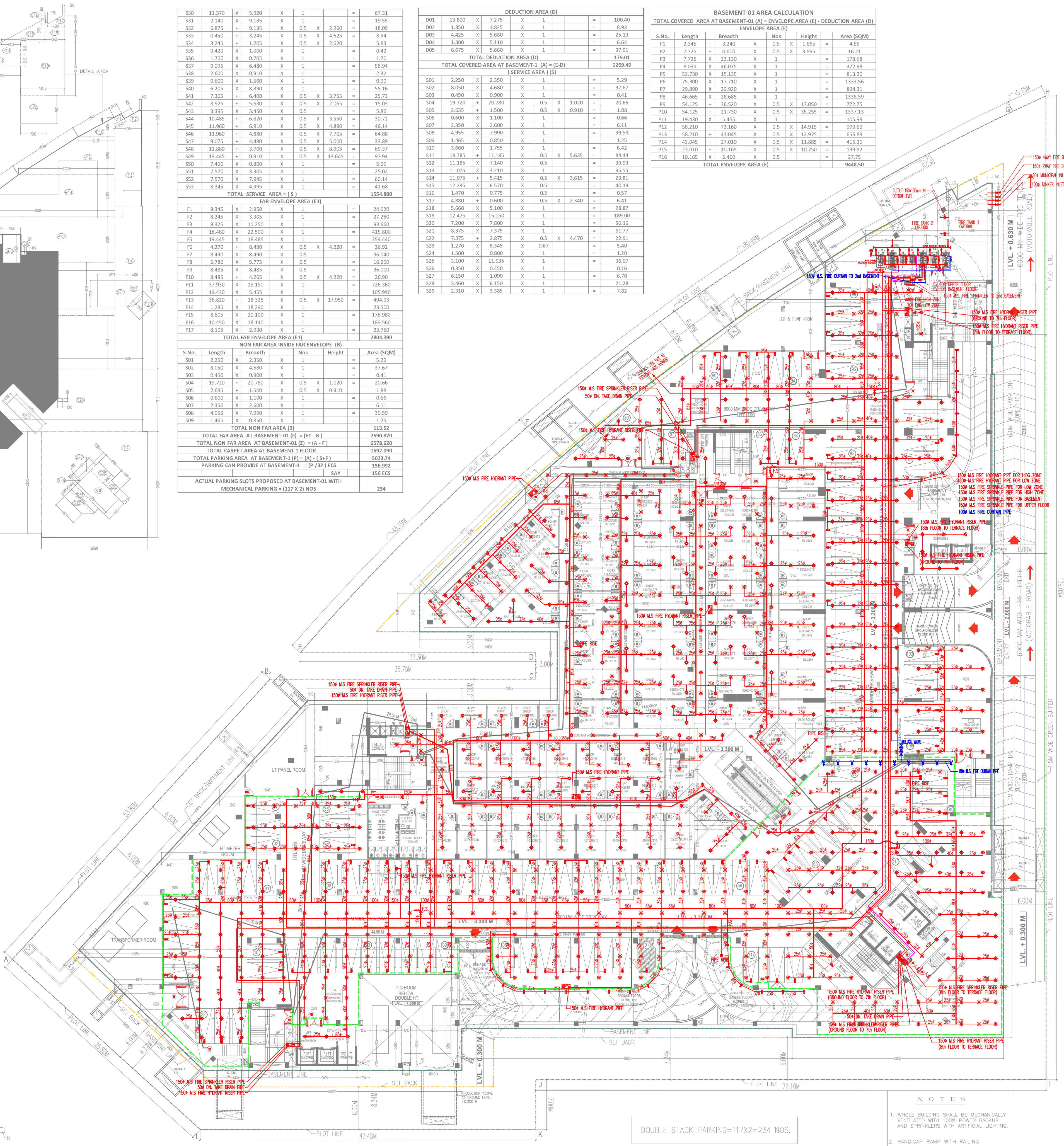




S30	11.370	X	5.920	X	1		=	67.31	
S31	2.140	X	9.135	X	1		=	19.55	
S32	6.875	+	9.135	X	0.5	X	2.260	=	18.09
S33	0.450	+	3.245	X	0.5	X	4.625	=	8.54
S34	3.245	+	1.205	X	0.5	X	2.620	=	5.83
S35	0.420	X	1.000	X	1		=	0.42	
S36	1.700	X	0.705	X	1		=	1.20	
S37	9.095	X	6.480	X	1		=	58.94	
S38	2.600	X	0.910	X	1		=	2.37	
S39	0.600	X	1.500	X	1		=	0.90	
S40	6.205	X	8.890	X	1		=	55.16	
S41	7.305	+	6.400	X	0.5	X	3.755	=	25.73
S42	8.925	+	5.630	X	0.5	X	2.065	=	15.03
S43	3.395	X	3.450	X	0.5		=	5.86	
S44	10.485	+	6.820	X	0.5	X	3.550	=	30.72
S45	11.960	+	6.910	X	0.5	X	4.890	=	64.14
S46	11.960	+	4.880	X	0.5	X	7.705	=	46.88
S47	9.075	+	4.480	X	0.5	X	5.000	=	33.89
S48	11.880	+	3.700	X	0.5	X	8.905	=	69.37
S49	13.445	+	0.910	X	0.5	X	13.645	=	97.94
S50	7.490	X	0.800	X	1		=	5.99	
S51	7.570	X	3.305	X	1		=	25.02	
S52	7.570	X	7.945	X	1		=	60.14	
S53	8.345	X	4.595	X	1		=	41.68	
TOTAL SERVICE AREA = (S)								1554.880	
FAR ENVELOPE AREA (E1)									
F1	8.345	X	2.950	X	1		=	24.620	
F2	8.245	X	3.305	X	1		=	27.250	
F3	8.325	X	11.250	X	1		=	93.660	
F4	18.480	X	22.500	X	1		=	415.800	
F5	19.445	X	18.485	X	1		=	359.440	
F6	4.270	+	8.490	X	0.5	X	4.220	=	26.92
F7	8.490	X	8.490	X	0.5		=	36.040	
F8	5.780	X	5.775	X	0.5		=	16.690	
F9	8.485	X	8.485	X	0.5		=	36.000	
F10	8.485	+	4.265	X	0.5	X	4.220	=	26.90
F11	37.930	X	19.150	X	1		=	726.360	
F12	19.430	X	5.455	X	1		=	105.990	
F13	36.820	+	18.325	X	0.5	X	17.950	=	494.93
F14	1.285	X	18.290	X	1		=	23.500	
F15	8.805	X	20.100	X	1		=	176.980	
F16	10.450	X	18.140	X	1		=	189.560	
F17	8.105	X	2.930	X	1		=	23.750	
TOTAL FAR ENVELOPE AREA (E1)								2804.390	
NON FAR AREA INSIDE FAR ENVELOPE (B)									
S01	2.250	X	2.350	X	1		=	5.29	
S02	8.050	X	4.680	X	1		=	37.67	
S03	0.450	X	0.950	X	1		=	0.41	
S04	19.720	+	20.780	X	0.5	X	1.020	=	20.66
S05	2.635	+	1.500	X	0.5	X	0.910	=	1.88
S06	0.600	X	1.100	X	1		=	0.66	
S07	2.350	X	2.600	X	1		=	6.11	
S08	4.955	X	7.990	X	1		=	39.59	
S09	1.465	X	0.850	X	1		=	1.25	
TOTAL NON FAR AREA (B)								113.52	
TOTAL FAR AREA AT BASEMENT-01 (F) = (E1 - B)								2690.870	
TOTAL NON FAR AREA AT BASEMENT-01 (Z) = (A - F)								6578.620	
TOTAL CARPET AREA AT BASEMENT 1 FLOOR								1697.090	
TOTAL PARKING AREA AT BASEMENT-1 (P) = (A) - (S+F)								5023.74	
PARKING CAN PROVIDE AT BASEMENT-1 = (P / 32) ECS								156.992	
SAY								156 ECS	
ACTUAL PARKING SLOTS PROPOSED AT BASEMENT-01 WITH MECHANICAL PARKING = (117 X 2) NOS								234	

DEDUCTION AREA (D)									
D01	13.800	X	7.275	X	1		=	100.40	
D02	1.850	X	4.825	X	1		=	8.93	
D03	4.425	X	5.680	X	1		=	25.13	
D04	1.900	X	5.110	X	1		=	6.64	
D05	6.675	X	5.680	X	1		=	37.91	
TOTAL DEDUCTION AREA (D)								178.01	
TOTAL COVERED AREA AT BASEMENT-1 (A) = (E-D)								9269.49	
(SERVICE AREA) (S)									
S01	2.250	X	2.350	X	1		=	5.29	
S02	8.050	X	4.680	X	1		=	37.67	
S03	0.450	X	0.900	X	1		=	0.41	
S04	19.720	+	20.780	0.5	X	1.020		=	20.66
S05	2.635	+	1.500	X	0.5	X	0.910	=	1.88
S06	0.600	X	1.100	X	1		=	0.66	
S07	2.350	X	2.600	X	1		=	6.11	
S08	4.955	X	7.990	X	1		=	39.59	
S09	1.465	X	0.850	X	1		=	1.25	
S10	3.660	X	1.755	X	1		=	6.42	
S11	18.785	+	11.185	X	0.5	X	5.635	=	84.44
S12	11.185	X	7.140	X	0.5		=	39.93	
S13	11.075	X	3.210	X	1		=	35.55	
S14	11.075	+	5.415	X	0.5	X	3.615	=	29.81
S15	12.235	X	6.570	X	0.5		=	40.19	
S16	1.470	X	0.775	X	0.5		=	0.57	
S17	4.880	+	0.600	X	0.5	X	2.340	=	6.41
S18	5.660	X	5.100	X	1		=	28.87	
S19	12.475	X	15.150	X	1		=	189.00	
S20	7.200	X	7.800	X	1		=	56.16	
S21	8.375	X	7.375	X	1		=	61.77	
S22	7.375	+	2.875	X	0.5	X	4.470	=	22.91
S23	1.270	X	6.345	X	0.67		=	5.40	
S24	1.500	X	0.800	X	1		=	1.20	
S25	3.100	X	11.635	X	1		=	36.07	
S26	0.350	X	0.450	X	1		=	0.16	
S27	6.150	X	1.090	X	1		=	6.70	
S28	3.460	X	6.150	X	1		=	21.28	
S29	2.310	X	3.385	X	1		=	7.82	

BASEMENT-01 AREA CALCULATION						
TOTAL COVERED AREA AT BASEMENT-01 (A) = ENVELOPE AREA (E) - DEDUCTION AREA (D)						
ENVELOPE AREA (E)						
S.No.	Length	Breadth	Nos	Height	Area (SQM)	
P1	2.345	+ 3.740	X 0.5	X 1.665	=	4.65
P2	7.725	+ 0.600	X 0.5	X 3.895	=	16.21
P3	7.725	X 23.130	X 1		=	178.68
P4	8.095	X 46.075	X 1		=	372.98
P5	53.730	X 15.135	X 1		=	813.20
P6	75.300	X 17.710	X 1		=	1333.56
P7	29.890	X 29.520	X 1		=	894.31
P8	46.665	X 28.685	X 1		=	1338.59
P9	54.125	+ 36.520	X 0.5	X 17.050	=	772.75
P10	54.125	+ 21.730	X 0.5	X 35.255	=	1337.13
P11	19.430	X 5.455	X 1		=	105.99
P12	58.210	+ 73.160	X 0.5	X 14.915	=	979.69
P13	58.210	+ 43.045	X 0.5	X 12.975	=	656.89
P14	43.045	+ 27.010	X 0.5	X 11.885	=	416.30
P15	27.010	+ 10.165	X 0.5	X 10.750	=	199.82
P16	10.165	X 5.460	X 0.5		=	27.75
TOTAL ENVELOPE AREA (E)						9448.50



LEGEND:-	
	FIRE HOSE CABINET
	PENDENT TYPE SPRINKLER
	UPRIGHT TYPE SPRINKLER
	9 Ltr. WATER GAS PRESSURE TYPE FIRE EXTINGUISHER
	4.5 kg CO2 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.

SCHEDULE OF PUMPS		
SYMBOL	DESCRIPTION	DES.NO.
1	DIESEL ENGINE DRIVEN FIRE PUMP FOR HYDRANT 2850 LPM @ 135M & 90 M HEAD	F1
2	FIRE HYDRANT PUMP (ELECTRICAL) 2850 LPM @ 135M & 90 M HEAD	F2
3	JOCKEY PUMP FOR HYDRANT 2850 LPM @ 135M & 90 M HEAD	F3
4	JOCKEY PUMP FOR SPRINKLER 2850 LPM @ 135M & 90 M HEAD	F4
5	SPRINKLER PUMP (ELECTRICAL) 2850 LPM @ 135M & 90 M HEAD	F5
6	DIESEL ENGINE DRIVEN FIRE PUMP FOR SPRINKLER 2850 LPM @ 135M & 90 M HEAD	F6
7	PUMP FOR WATER CURTAIN 3255 LPM @ 60M HEAD	F7

Fire Consultant
(Fire Fighting, Ventilation & Fire Alarm)
V.S. Kulkreja and Associates Pvt. Ltd.
185-A, Gaudam Nagar
New Delhi-110049

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

OWNER SIG. ARCHITECT SIG.

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 NAME- SHUSHANT LOK-III IN SECTOR - 57, GURUGRAM MANESAR URBAN COMPLEX, BEING DEVELOPED BY, M/s. PARYAPT INFRASTRUCTURE PVT. LTD.	
TITLE:- 1st BASEMENT FLOOR & AREA DETAIL		DRG NO:- SB-FF-03	
FIRE FIGHTING LAYOUT		SCALE:- 1:200	
DATE:- 02/11/2022		DATE:- 02/11/2022	

LADIES , GENTS & HANDICAPPED TOILET DETAIL